

## SEQUENCE LISTING

<110> Sornasse, Thierry  
Cocks, Ben  
Sanjawala, Bharati

<120> GENES REGULATED BY HUMAN CYTOKINES

<130> PA-0020 US

<140> To Be Assigned

<141> Herewith

<160> 516

<170> PERL Program

<210> 1

<211> 153

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 068454H1

<220>

<221> unsure

<222> 41, 59, 102, 105, 142, 147

<223> a, t, c, g, or other

<400> 1

ccagcacact ttcatattcc ccatacatt ggctgaagtc ntcctcaggc ctcattccna 60  
tccatcaaag aagacaggac tcaccttgct ggctgctgcc anttntgctt acatcagccg 120  
gtaagattta catggagaaa gncaacntag gct 153

<210> 2

<211> 51

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 153958T6

<220>

<221> unsure

<222> 6, 20, 40, 42

<223> a, t, c, g, or other

<400> 2

gcagtnngaa tcttcttttn accacaaagt aaattaatgn tnatactggt t 51

06507-1050

PA-0020 US

<210> 3  
<211> 506  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 155870R6

<400> 3  
ctttctttca cctatttgta caactccaag ttacagctga atctgtcgtg actttcctga 60  
gatctaccgg gggcttggct gtctgttctg ggcaactggc cagagttccc ctctgaggat 120  
ttgcaggagg gcagtactga acctgcattc ttctccttgt aaatgtaggc cgggtgcccc 180  
tgttctccgg gtttgaaca atacgaggtt ggtgctgatg ggatttactt gcgtacgtgc 240  
tcttcacaaa aacaccgtgg atgctgaagt tagagcacgt cgccacagag cttgacatca 300  
atgttagagg gtctcttact ccccgccag ctgtgatgtt tcatctgctt tgggtgtttt 360  
ggtggtcttt tttaaaaata gagatttcac atctgcccag accccactca aaacgatttg 420  
gtcaggttct ggttgacaaa gtttaaaatc aagtagtgcc cggaattccc tcaaccacc 480  
aacttcatcc aggaatacag tctgca 506

<210> 4  
<211> 407  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
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<220>  
<221> unsure  
<222> 406  
<223> a, t, c, g, or other

<400> 4  
atctcaggcc ccaatgttta gaccggacac aactcacctc catccacagc accgtcgact 60  
cttgcacatg agacagcaac agaatagaag tcagcatcgg aatctcaatg gtgcgggaga 120  
tagagggaagt caccggagca gtcacataga tcatctccga aaggatccat atgccaatct 180  
catgttgtag cgggaaaagg attgggtctc taaaatccag atgatgcaac tgcaaagcac 240  
tgatccctac ctggatgatt tttattacca gaattacttt gaaaaactgg agaaactgtc 300  
agctgctgaa gaaatacaag gtgatggccc taagaaggag cgcaccaagc ttatcacccc 360  
tcaggtgggc caaactggag cagcctata agccagtga tttgang 407

<210> 5  
<211> 513  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 259836T6

<220>  
<221> unsure  
<222> 73-74, 122, 141, 154, 173, 186, 189, 205, 207, 218, 227, 233-234,

PA-0020 US

236-237, 239, 241, 248, 250, 254, 260, 268, 305, 307, 331, 359, 369, 428, 459, 486, 496

<223> a, t, c, g, or other

<400> 5

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gaggagaggg gacttcttga aatgatgtgc ccaatcaatt cttggtttat tcttttccaa 60
aaagtaaaat aannaaagtc ttaaaagtac acaaaacaga ccttcatctt tgcattcctt 120
tncaaataaa cccaaaaagt ntgtacagca tgtntaatag tatgcaatat gcnaaaagctt 180
tgtgtngcng ttagcaacat ctatncncac ccaccctntt tattcanaag tgnncnncng 240
ntaaccanan ttanatcacn aagcctgnta gtatgagagg gtcttaaatt tgttaaaact 300
ggaangntct ttgtataggg gctccattca nttgactcaa gggttataggc ttccaccgna 360
ttcagaaaant cattgccatc gaatcctccc actgcataaa tgggtgttccc tacagttgca 420
atcccagnat tgctccttgg tgaagtcata tttcccatna tcttccattc atttctagtt 480
ggatcngaca tttccncaca actgatggca tga 513
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<210> 6

<211> 75

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 304934T6

<400> 6

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tggaaggccc ctcccatcac ctggcagtg acctgcgttt aaggaaggcc tcagctgggg 60
tgggcgctgg tggag 75
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<210> 7

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 308002T6

<400> 7

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gtcagtcatt tcattgtgtt cacaatttgc taattcattt tttatcttct ctagtatcag 60
atcagatcag tgtacctcca aacagagatg gaagctacac tgcagttccc aatactactt 120
cagcatagag caaaaatgtg aagccaatta acagagaaat catttttggc attattaggc 180
aatcaaaggg gttaactaaa gtgaactgtg gttcagaaat tgagaaattc tttttctttt 240
tgaataaaaa aaggagatga aaaacttcca cttcttctca gtggttactg tagaagatgt 300
ctctttacta aaaaggggtt ttctacattt taaatgagat tcaggctatc ttagggaatg 360
agcatttgtc tttcatatga tagtgtctac cccaagaata gtccattgat gaagatttcc 420
atattttt 428
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<210> 8

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 354516T6

005011 = 47254160

PA-0020 US

<220>  
<221> unsure  
<222> 153, 435, 437  
<223> a, t, c, g, or other

<400> 8  
caaaatagtc tttattctac attttttagta taaaaattcc acaagttaag tgcaccacag 60  
tgtagagaga gacatacaac gctgaacttc cataacagtc aatggtacag tcaaacatca 120  
catgtacaga acacacaatt tagatgaact ganattataa gataaaataa aataaaatcc 180  
aatttcagaa aacaaaaatc aaaacattaa ggatccctga aatattctta aaccctaag 240  
agatttcact ggactcaagt cattttgtag tgagacattc acaatatgac gagtggggag 300  
aagtgcgagg aaagaaggaa attagtctga ctggccttct gtcctgcacc attgattcaa 360  
tggagactgg cgggaggaaa tgggaagacta ggggtggagat gggatgggtg gggccaagga 420  
tggaaggaa aggcngncaa ctaatgcgtt ccatttataa caagtaatat atatcaaaga 480  
cttaaa 486

<210> 9  
<211> 573  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 358832T6

<400> 9  
aagagaatag gagtgaggag gcaggaataa cgctgggtca ctcccaggaa gtggggaaga 60  
ggctgcagcc aagaagaatg agtcaggctg ctcttccttg gctttcttgg taacagcaat 120  
gaacaaaagg aagacgaggc atggactcca ggcttaagtt aacaagggtca gtctgttcag 180  
gccaaagcaat ggaaaggaaag tgtcagatct gtccaatcca tgttcataaa gaggaaataa 240  
ggcctaggctc cgtctattga ggccttggct caggattggc tggggccctt ctctttgaag 300  
gtcagaggccg ctgtccccag ggcgtatagg ggccacgggg acgatacctg ccaaaacccc 360  
tatgtaccac tggggcaggc cgctgataac ggggtgtggg gaagaagggc ataggcagct 420  
gaggaccaac cataaaattg tcttcgacga agaaacctgc atgggctgat gaggggacat 480  
ctgaatggca atagaattga tccgactgga aagtatggtc tgaggaaaaa caggcatctg 540  
ggggacctgt gggaaccggg gcattccctg gtg 573

<210> 10  
<211> 457  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 392560T6

<220>  
<221> unsure  
<222> 34, 56, 66, 69-70, 83, 92, 102, 135, 148, 201, 261, 294, 317, 323, 326,  
355, 368, 371, 374-375, 381, 399, 403, 409, 439-440, 446  
<223> a, t, c, g, or other

<400> 10  
aaacaaaaca aaacaggcaa ttgataaagg cgnacaatg gggaaggaga ggtgangtgt 60  
ctcctnagnn acccgacacc atntcaattc anttcaattg tnaaccacta ggagaaacag 120  
aattaaataa ctatnaaggg gtacagantt aagagttcca gccttccctc ttggggaaaa 180

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<210> 11
<211> 334
<212> DNA
<213> Homo sapiens
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<220>
<221> unsure
<222> 29, 77, 88, 91, 94-95, 102, 105-106, 153-154, 157, 179-180, 182, 187,
211-213, 219, 229, 255, 260, 270, 274, 279, 286, 291, 300-301, 303, 305, 311,
313, 316, 319-321, 323, 332
<223> a, t, c, g, or other
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<210> 12
<211> 590
<212> DNA
<213> Homo sapiens
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<220>
<221> unsure
<222> 72, 145, 179, 293, 314, 375, 425, 429, 438, 467, 484, 494, 500, 533,
559, 568, 574
<223> a, t, c, g, or other
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<210> 13  
<211> 336  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 443631T6

<220>  
<221> unsure  
<222> 263, 320  
<223> a, t, c, g, or other

<400> 13  
aagaaaaata aataaaaatt aataatatct tgtaaattat ctattttctc cttcaatatc 60  
ttaaggtaca caattatcaa agctgatatt gaacacaaac aaattgatac aattcagtaa 120  
tccgataata ttcatagtca aataagttac tttaaattgc atgcaatata actttatgtt 180  
ccatagcatc ttttaataaaa accgtttacc aaaatggctc ttcaaactta aaaagtgcaa 240  
ttacagagtg caaaatagaa ganaatacat tatattacat ttaacatcat caaatttgaa 300  
taacagatat ttaaatggan attactcttt ttaaaa 336

<210> 14  
<211> 327  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 445246T6

<220>  
<221> unsure  
<222> 2, 14, 58, 168, 179, 203, 246, 320  
<223> a, t, c, g, or other

<400> 14  
antcacaaag gcanatcaat aaccacttac tatatatata gaaatatata taattaanat 60  
ggatccaatt atctcataac tgccattttt tccaacaaag agtcattcaa ttcttcatgt 120  
catgaagggt aaaggcaaag tcttagtccc catcttatgc ttcccanc cttctttgna 180  
aactacattg aacctctatg ggntaatcat cgtcttctgt agccataagg tctctgcaag 240  
catgcnagct gcaggctcct cagattcttt ctccattccc tcaagtcag tttttaatga 300  
acaggctgtt tgctttagan gtgctgt 327

<210> 15  
<211> 334  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 460790T6

<220>  
<221> unsure  
<222> 8-9, 11, 22, 24, 49, 104, 122, 141, 158, 163, 166, 169-170, 178, 180,

PA-0020 US

182, 185, 191, 199, 214, 216, 218, 221, 224, 229-230, 233-234, 240, 242, 256,  
259, 267, 282, 291, 301-303  
<223> a, t, c, g, or other

<400> 15  
ctaattcnnt ncaaaacat tntnaaatcc atcttttaaac tagtcagana cacaggttat 60  
tatttttttta aatcaccttac acactgaaca gaaaacgacc tctnaaaagg cagctgatct 120  
anatcatgtc accattcata nccaatacaa catttttncc atnctnccnn aaaacctntn 180  
cncanacact nctcatgcna cttatcagca cttncnanca nccngaccnn acnnacaccn 240  
anacctctta tagagnacnc tgtgagngca taacatggac tngatatggc ntcacacttc 300  
nnntaaagct aaaaaaaaaa ataaagaaac gcga 334

<210> 16  
<211> 458  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 466711T6

<220>  
<221> unsure  
<222> 30, 76, 79, 108, 275, 318, 369, 376, 388, 432  
<223> a, t, c, g, or other

<400> 16  
tagcacggct gtgaggctca ttgttgaatn aagcatcctt aggcagcacg tgactgcatg 60  
cagatatgtg tgctgnaana actttgcctt tttaactaaa ttaatggnc caggaacaga 120  
acttggctctt ttacttgcca ttcattgtcc ttcataaggg atggcctccc aacacttaac 180  
ttcagctctt caaatacttg tcattaaacc ttctaatact acaaacttac taccagagt 240  
atacacattc ctagegattt gtggatctta accncagca tgaatgccct tgttatagcc 300  
cttgcattta ctctccantc tgcgcctta aaccaaggct gttactactg agggggcgca 360  
agatttcna gcaacncatt ctccagynca ctgattaaca gcacagcatg actctgggct 420  
aaatgcttgc anaaacagtt gacctgctgg gcatgggtg 458

<210> 17  
<211> 403  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 474962T6

<400> 17  
ttttcttacc cttctatgtc atactccttt taatacaccc aagaatcatg actatTTTTT 60  
tcccgaaca gcctcacagc attgacttta agtttagctg atgagtgata aaggctgcca 120  
ttttttaaaa aacgatgttt cttttgtact caaccatgct attttaaate ttttctact 180  
acatttcttc tgctaattga gaatcatttt tctgctttgt tataattggt atgaattata 240  
cttctggagt tgagatgatt ttgattccta cctaattgtg tagcgtgcac aatagaaaaa 300  
tgaaaagaga tttcatagtt ttatattgtg caaaaggcag agacaaatat atgtatgaaa 360  
actctgccca actgcttaat attgagtctt cggccctcta cct 403

<210> 18  
<211> 353

PA-0020 US

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 495945T6

<220>  
<221> unsure  
<222> 177, 184, 275, 311, 346  
<223> a, t, c, g, or other

<400> 18  
tgtgggcaaa ctcacactgc cctgccacca ttgccacagt taccatatta acagggcttt 60  
tcccctgcac atgttcacta ggacttaagc tgtgacttgc tgtggaagga tttccacct 120  
tcaactgaat cccccgtttc tcccttgagt gtattctctt atgtttaaca aggcaanaca 180  
tagngaagta aggtttctca cactcatcac agccataggg tctctctccc gtgtgagttc 240  
tgtgatgtac aatgagcatt gtctttgtaa ggaangcttc ccacagtcac tgcatttata 300  
gggttctctc ntgagtgaat tgctgatgtc taatgagttc tgactnctgt gaa 353

<210> 19  
<211> 289  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 498549T6

<220>  
<221> unsure  
<222> 16, 71, 124, 263  
<223> a, t, c, g, or other

<400> 19  
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tgggtcattc nactgctgg gcctacagag gagaggatgg aacagggtggc tggacttgga 120  
gatnggagct gtttgctgag aggcttgaag gaggcttcag aggggaatgc agccactcct 180  
gccaccacct gccaggagg gagccctgag gacagaaacc ctgatctgac tgtctcccca 240  
ccctcggctc tcctctcatg ctncattgg ctcaaccagc cagaactgg 289

<210> 20  
<211> 161  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 504202T6

<220>  
<221> unsure  
<222> 3, 9, 11, 13  
<223> a, t, c, g, or other

<400> 20

CCS011: 495945T6

PA-0020 US

ggnaggtttna ngnggggtggg ggctgggact cccacaggag tgagagaggg gctggtctca 60  
cttggctctg ggctaggagg tctccactg tgttcaatag cttgtaaaac acctcgaacc 120  
aaggcagggtg gctgaggatg cacagacagc tctgggtacc c 161

<210> 21  
<211> 308  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 510950T6

<220>  
<221> unsure  
<222> 95, 110, 125, 196, 242, 246, 249, 265, 272, 275, 280, 282, 293, 301  
<223> a, t, c, g, or other

<400> 21  
tactccttac gcgatctttg tgtacatttt gtgtgaaaag gaaaaaaaaa taggaaaggc 60  
attaagacta cctaattatt tatactgtat ttggnagaag cgtgtttcan tcaaacttta 120  
acganaaata agttattctg ttttcatttg ctcccggacg tcagaaggca gagtttcaaa 180  
cagagcatct tctacnacta aaccagctcg cttcagaggc cgacagtcac ccagttccag 240  
angggnggnt tcaaagtggg tacnctttac anctnagtan gnaaggaata gcnaattttc 300  
natttttcg 308

<210> 22  
<211> 501  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 516616T6

<220>  
<221> unsure  
<222> 486  
<223> a, t, c, g, or other

<400> 22  
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gtaacaatca catccccgct gtgtgaatgg aggaagcgtc ctgaagagcc tgggactgtg 120  
cccagttgta cttcagaaca tcagtcacct caaacggaga atgggtgtgt tctcctgac 180  
ttctctagaa ttcagacatg cttgggtcaaa agaaaacagc attagagggg aaacacgggg 240  
aaaacttatt gttttaagtc tgaggaaaag gcaagctccc gctccccata gtgccatttg 300  
ggggaaacta gagagttgtg aatgtatcac cagaaggggt tgttttacca cgtgtaacca 360  
tggtcttagg gtgagaggca taatgccagt gctgttttgt ggggtggcca aaagactccc 420  
tccccagtga ggtcttgagc ccagggtgac aggatacttg gaagtgatag ctcttcttca 480  
cccttngttt ctgcccttcc t 501

<210> 23  
<211> 478  
<212> DNA  
<213> Homo sapiens

6650T = 4425E-160

PA-0020 US

<220>

<221> misc\_feature

<223> Incyte ID No: 519083T6

<220>

<221> unsure

<222> 7, 19, 95, 148, 162, 232, 252, 278, 336, 376, 389, 461

<223> a, t, c, g, or other

<400> 23

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gcctgtntca tagaaacanc ttacatttgc caatataagg caaatggctc atgtacagat 60
acatcaggac tgcctaactg acagtgagtg ttgcnagcca ggctccaagc taatggagct 120
aatacgggtg agctctctgc tgaatggnet ttcccttcag gntacgtcgg atctgttctc 180
ccacagggcc atcggaacc aaatgcactg gctgttcgtt ctccaagttc cnagtacttg 240
ggtctgctcc cntcctcatc aacaggcgga cagcatcnaa ttgtgtcaac cgatactgca 300
agctggcagc aacatggagg gcagtgttgc cattgnaagc ctttgcattc acaaaagaca 360
ggcaactggg cagctncaaa aagaggcgna tgagttccag atttgcttct tcagctgcc 420
aatgcagggc tgtgcggcca cttttgcgat ctttcgcttc naccgctgct cccatttg 478
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<210> 24

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 567572T6

<400> 24

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atthttcatga gcagtaatta agatatgttg aaattttaaa tgtgaaagat ttcaaagttt 60
cagtatgtta acattactct tcaaagtgtc ttaatatata tataaacact tacaattat 120
agatacaact agttgtatat ctacaatata tatatgaaca ccattcttct tctctagcca 180
tatttatatg aggataaagt aataaatctc tgtgctattc aaggaaaaaa aatgaatgct 240
ttaaaaaata aatcttttaa gaatagtttc aaaaataaag ttcaaattat gcacaaaata 300
atttaactgt aaatattact acatagtgtg aaacaatttt aaaaaaattt ttacactcta 360
cagtaaattc cactttctaa ttctataaa 389
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<210> 25

<211> 289

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 633724T6

<400> 25

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gagtgactat atgtatgaac aacaccattg aaaaacacac agctttaaag acaagaatcc 60
tgtaaaggag taaacaccat taaatcatca tcgttctctg cccacagcgg atttttctta 120
ggagaactgg ggcaggactg ctgcttcttt acgtgtcaat acacttgagg tttcttcttg 180
tttcttcagt cttgggtatc ctagttttgt taataaacct cttccatcag ctcttccaga 240
ctgtctccat tctcccagat gctacgtgac acccagttga ttaccttg 289
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<210> 26

<211> 374

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 666761R6

<220>

<221> unsure

<222> 198, 226, 342

<223> a, t, c, g, or other

<400> 26

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ggatttttaa cttttttatg tgatgaacca cagaatgatg gttttaaatg tatgaaatac 60
atagaattgc aacagaaacc agttatgaaa taatgaagat attaaatatg acatctatat 120
tttagtaaag cattagtgag gactgtaaat gatctttaaa gaatttggct taaatttaat 180
ctaaaattgc tatcaggnat ttcacatcgc tgtaattttt gcctgnattc gtaactgaag 240
agataagtaa atgtcagagg ttaagataaa tctttttctt tttttacctg tccatattta 300
caaacattct gcgttccgta catagacgcc tggataagaa cncctgtgca agaatgactt 360
tggtgctact ttaa                                     374
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<210> 27

<211> 259

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 709070T6

<220>

<221> unsure

<222> 84, 93, 95, 97, 99, 164, 222

<223> a, t, c, g, or other

<400> 27

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gagtccagtg taacatgggtg gctgggagtg tgagtggatg aatggggggc ccgatatagg 60
aactggggcc tcggggatga ggnagccgt ccnancngnc cttcttcac gaccatcctt 120
accttcccac ccccaccgct cccattctgc agatgagaaa accnaggctc cgaaaggaaa 180
aaccactgcc tggattccca cgctcttct ttaactcatt tncaggtgag ggcagggaag 240
gaaaatccta gggtcagca                                     259
```

<210> 28

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 993224T6

<220>

<221> unsure

<222> 28, 31, 33, 52, 56, 64, 70, 74, 80, 87, 100, 131, 141, 143, 314, 361, 374, 383, 385-386, 423, 426, 428, 442, 460, 470

<223> a, t, c, g, or other

PA-0020 US

<400> 28

```
tatccaataa gagaatagaa ataaacancn ntntgtttac gggttgcccc anggtntttac 60
cacngctacn agancactgn gaaccanagg tgtcctacan ttaataaacg catggaaaat 120
gtaaaagaga nactctgagt nanaaagcca tccaatcttt tcagagtccc atctctgaaa 180
cattttcaaat ctttatctgt ttacaaatga aactgtctac atgcaaactt taaatgtcat 240
ttttccaccc acaatactca tacctctccc tgcttaacac tggttcccca caccagagc 300
catagcaatt acanaacaaa acagtgattt gttgaacaca gtagctctaa agccacgacc 360
naacattatt tccntgaaga cancntact atgttagtca tctgaacatt ttaccagatt 420
tcnacnanga cattatatct anacatatct tgaaggccgn ttttaactcan ctagt 475
```

<210> 29

<211> 277

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1234795H1

<400> 29

```
gggaaaagag gacttattgt tgtcatggcc catgagatga ttggaactca aattgtttact 60
gagaggttgg tggctctgct ggaaagtggg acggaaaaag tgctgctaatt tgatagccgg 120
ccatttgtgg aatacaatac atcccacatt ttggaagcca ttaatatcaa ctgctccaag 180
cttatgaagc gaaggttgca acaggacaaa gtgttaatta cagagctcat ccagcattca 240
gcgaaaccat aaggttgacc attgattgcc agtcaga 277
```

<210> 30

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1274557F6

<220>

<221> unsure

<222> 304

<223> a, t, c, g, or other

<400> 30

```
gtaattaatc ataaatatag aaacagtagt aatacagctg acattaccat ttaattttat 60
attatgaaag caaatcatct gcatgtgcat caaggccagt cctattcaac ctagtcttcg 120
aatgctgata tctggttagt atgtcatttt gaagttggca cataactttt ctaaaaaaaa 180
gcagtctttg ttgtttgctt cttccctacg gatgacttct aaaaatatat gacgggtata 240
aaaaaattag ctatattgat catatcaaca ctgtaactgc tgaaatggca ttctaattgt 300
tgcnttttat tcggacaggc cacatgatgc atagagcctc tttcatgtga cctgtgtcta 360
ctgcttaaat ctttatgctg tgttgatgat attatatga catatgaagc tgtatatggg 420
gatggatttt gtggaga 437
```

<210> 31

<211> 325

<212> DNA

<213> Homo sapiens

<220>

665011-474557F6

PA-0020 US

<221> misc\_feature

<223> Incyte ID No: 1304655F6

<220>

<221> unsure

<222> 17, 50, 69-70, 77-78, 82, 87, 119, 121, 148, 151, 153, 163, 171, 187, 191, 210, 216, 229, 233, 254, 283, 285, 287-288, 312, 314, 316, 318

<223> a, t, c, g, or other

<400> 31

```
gctagcgagt gaacaanttc agaaagcagg aggcttgaaa acctccagtn tcataattgc 60
tctgacagnn ggcaagnngg anggtcnggt gccatcatat gcagagaaaaggaggaaagnt 120
ntccagggtca cttgggggcta gtgtttantg ngntgggtgtc ctngattttg nacaagcaca 180
gcttganaga nttgctgatt ccaaggagcn agtttncctt gtcaaaggng ganttcaggc 240
tcttaaagga gtanttagtt ctgtactagc tcagtcgtgt acngnanncc tagaattgca 300
gccctcaagt gncngngngg gggag 325
```

<210> 32

<211> 528

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1318881T6

<220>

<221> unsure

<222> 403, 449, 499-500

<223> a, t, c, g, or other

<400> 32

```
taaaggaagc aatcattcct ttatacttct ttaaatttag tattgacatt tttatttttg 60
gaaaggaggt cttttttttt tttaacatgg atacaggaaa agaaaactct ccaataaaaa 120
tattgtctaa aaagtttggt ttgtctgcat gatttactaa atatgtacaa tttcaattca 180
cagcgaaggt aacaaagatt taaacagcca acatcacaaa tgtctcaagt tctaaaaaaa 240
aatcactgtg cacagtttaa caatttaatt gaaaaaacca aagctaagcc ttcagtctga 300
atcttttttt atgatgggca caagccatgt attttcttca tctttgttac acgatgcata 360
tttcagtgcac taaaagcccc ttcccathtt agtatattag gtnatgtcag tacatactta 420
agagaggcat aaattgcctc ttggtacanc aatatgattt tgtgatgtgt tcacatatata 480
tggtcataat aatttaatnn atatatagga atgatcagga tgagtcac 528
```

<210> 33

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1404348T6

<220>

<221> unsure

<222> 50, 75-76, 86, 95, 118, 122, 127, 133, 137, 139, 143, 146, 158, 163, 180, 185, 189, 203, 233, 276, 293, 305, 318, 325-326, 340, 346, 348, 350, 353, 356, 381

PA-0020 US

<223> a, t, c, g, or other

<400> 33

```
gaatagatca ttcagtaaaa acatacagta aaaacaaaaat gtcttatcan gtacaacttt 60
caaactacaa taatnntgta ccttanttac ttcntggca cacaagtcta acatttgntt 120
tnttaaaaaa tanaacncna ttagncttc taggagcntt ttntaataaa gtaattcctn 180
attantttnt ccttgtcaga tanatcacgc acctccaaaa tacaaattcc tanacacagt 240
gagcacgtta cttaaaatga acacttaagt aaattnagta cgtggacagc ccnaggataa 300
gctgncatta tagatgcngc taggnnggcc acaaaccctn agtgcnanen ggnaanagta 360
tatttgcaac tgaattttaa na 382
```

<210> 34

<211> 613

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1415624T6

<220>

<221> unsure

<222> 458

<223> a, t, c, g, or other

<400> 34

```
tagaaatttt tacatcaaag tgtgataacc tcacttacac attgttccat acttacctgg 60
ttttgtttgc atctttctgc aaacattaaa aggagatgga tttgattctg atttttttgc 120
tatggttcat gtaaacagtt gagactgcta cataaagtag gttgttgta aaggtgaagt 180
ggccacagaa tccaagaat agaataattc aatttggttt aatgaaattg gtggaggtct 240
tagcagatag ataatccaag actaaatatt gtcttctagg cattttaaaa attaagaact 300
ttgaggtttt ctctcatgtt taaacataac ttagaccttg ttggcattaa gtttacaaaa 360
gaaaatatta aacctatgatt tttatcatcc tgcccatgtc agtatacact ctctttatta 420
tgagaatgaa accaaataat aagcaaaata catcaggntt tcaaattgta ctgcaaagaa 480
ggtcccagct ggtctcttct gggagtgatc taactaactt aagctgacct tgcgactggc 540
tgaggataat cccttctgtc cactgcaccg tgcaatgcca cagggtcatg agatgggtca 600
gttctctttg ctc 613
```

<210> 35

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1437809T6

<220>

<221> unsure

<222> 7, 28, 65, 90, 103, 108, 116, 123, 133, 139, 146-147, 180, 183, 219, 233, 259-260, 263, 280-281, 289, 291

<223> a, t, c, g, or other

<400> 35

```
gggagangcg agccttcttg gggacggnga caagaatacc gcaaagaata ccgcaatggc 60
gaacngcctt gcatagacac cgaggcgggn tagcggcgcg gcnggaanag gagagngatg 120
```

PA-0020 US

ganaaataac ttnggagang aaggtnnac catcgctcc atgggcaactg cgcggctgtn 180  
atnaaggcca cagcggccct ccccgcttcg gggggtcang gtgtccactc canatatgcc 240  
ttatacatc taatttgann canagtcctt gcataattccn ncatacttng ngtg 294

<210> 36  
<211> 450  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1438157T6

<220>  
<221> unsure  
<222> 12, 40, 110, 112, 116, 119, 135, 152, 161-162, 194, 205, 222, 241,  
244-245, 257, 262, 266, 289, 292, 304, 307, 327, 336, 352, 356, 362-363, 365,  
381-382, 386-387, 407, 416, 429, 439  
<223> a, t, c, g, or other

<400> 36  
taactccatc tntgagaaac atttaataat gtaatgtgtn tgtggtacag ggtgagtaca 60  
gatgcacagg aggccatagg gtttaggcaa aggggagcac aaaagttgan gntgangcnc 120  
tgccatcaaa gctgnggggc ttcaggccaa gnacaggagc nnaggaagcc acaagggagg 180  
acattttctg cagntgctga accantagca accaggctct gngaaagccc tctcttggtg 240  
nagnntaaca gccaggnggg anagcntttc atcctgcaaa gctggggcng anagttcttc 300  
tttnaangtg tcatctgcac ttcagcncag gaatcntctt ggctgaagtc cngagngtcc 360  
tnncngattc ctgaagtaga nnaacncccc ggcccccaagg aagcgcnngg gcagcncaaa 420  
gcccccgant ccactcagna tcttgctctg 450

<210> 37  
<211> 539  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1439529T6

<220>  
<221> unsure  
<222> 427, 526  
<223> a, t, c, g, or other

<400> 37  
aaaattgaca agtttaattc ttaactgcac caagtaaact tagccattta agtatttttt 60  
taagttattc cctccaaaaa actgagggag cttttctttt ccaccaccac accatggttt 120  
cccaatagtt ctcttttttg aggacttttc aattgatgag taaactgctt tagatatttc 180  
agaacttcat tccccaaatg aaagctaatac tggacaaaact atatatgca tagatttctc 240  
tacagattct ttgcttttaa acctaaatgc aactaacata gtgtaatttt aacctatttg 300  
ccccacagta aaaactatct gtctgaaaa atatgatgga tatatcctgt gattttccag 360  
ttaacagaat tgttctactt caaagataat tattatcata tatcaaaata accagctcaa 420  
cataggncat tacttcagtc tttactggac tccataggca tatgaacttg tgcccagctt 480  
tttacctctt cccacattct cctcctcctc cataagtggg atgggnatta tttaaccta 539

<210> 38

PA-0020 US

<211> 559  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1454203T6

<220>  
<221> unsure  
<222> 490, 528, 535  
<223> a, t, c, g, or other

<400> 38  
acgtcagtc tttcattgtg ttcacaattt gctaattcat tttttatctt ctctagtatc 60  
agatcagatc agtgtacctc caaacagaga tggaagctac actgcagttc ccaatactac 120  
ttcagcatag agcaaaaatg tgaagccaat taacagagaa atcatttttg gcattattag 180  
gcaatcaaag ggggttaacta aagtgaactg tggttcagaa attgagaaaat tctttttctt 240  
tttgaataaa aaaaggagat gaaaaacttc cacttcttct cagtgggttac tgtagaagat 300  
gtctctttac taaaaagggg ttttctacat tttaaatgag attcaggcta tcttagggaa 360  
tgagcatttg tcttttcata tgattagtgt ctacccaag aatagttcca ttgatgaaga 420  
ttttctatat tttttcatat cttagctatgc tatttcctca tgaaagtcca agacttttta 480  
tgactgtggn aatttttagaa tatacatgaa tgatctttca gagtcacnat tttgncataa 540  
tcggtaaaaa aacttattt 559

<210> 39  
<211> 456  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1479279F6

<400> 39  
aaactatgaa tagactgacc cagctggaaa gattggattt gggaagtaac gaattcacgg 60  
aagtgcctga agtacttgag caactaagtg gattgaaaga gttttggatg gatgctaata 120  
gactgacttt tattccaggg tttattggta gtttgaaaca gctcacatat ttggatgttt 180  
ctaaaaataa tattgaaatg gttgaagaag gaatttcaac atgtgaaaac cttcaagacc 240  
tcctattatc aagcaattca cttcagcagc ttcttgagac tattgggttcg ttgaagaata 300  
taacaacgct taaaatagat gaaaaccagt taatgtatct gccagactct ataggagggt 360  
taatatcagt agaagaactg gattgtagtt tcaatgaagt tgaagctttg ccttcaccta 420  
ttgggcagct tactaactta agaacttttg ctgctg 456

<210> 40  
<211> 129  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1487763T6

<220>  
<221> unsure  
<222> 26, 44, 51, 55, 57, 66, 78, 87, 89, 100-101, 104, 110, 113, 128

PA-0020 US

<223> a, t, c, g, or other

<400> 40

agtagcacat tgcattctgtt aagtgnccca gctcacctgt aatngttatg nttcnancgg 60  
ttgttncatt ccaagatnat ggtgtangng ttacaccccn natnttcatt tcnacattct 120  
gcaggttnc 129

<210> 41

<211> 100

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1508830T6

<220>

<221> unsure

<222> 29, 35, 42, 45, 51, 53

<223> a, t, c, g, or other

<400> 41

acctcgtgcc cacacagtgc ctgtctgant ccttntgttg cncanatgtg nancaggctg 60  
gcagagactt gaagcctgtg gttttgtgcc tcctttgtgt 100

<210> 42

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1510668F6

<220>

<221> unsure

<222> 254, 462

<223> a, t, c, g, or other

<400> 42

caggcatcct ctgggggtgta tttggggcgc tcaacaaggc ttgatcgagc tttgggggta 60  
gatctagcta ttccatgggg attcttttca gaattgctgt tttcggtaac taattccatg 120  
accaggtcca tggcattgga tgacattgag ctacactgtt gtcaccccg gtcacccgctc 180  
ctcacagggtt ggatggcaag catgtttgtg tcggtcacgt caaagagggc atggacgtcg 240  
tgaagaaaat atantctttc ggctctaaga gtgggaggac atccaagaag attgtcatca 300  
cagactgtgg ccagttgagc taatctgtgg ccagggtgct ggcatggtgg cagctgcaaa 360  
tgtccatgca cccaggtggc cgcgttgggc tgtcagccaa ggtgcctgaa acgatacgtg 420  
tgcccactcc actgtcacag tgtgcctgag gaaggctgct anggatgtta gacctcgcc 480  
aggacccacc acattgcttt cc 502

<210> 43

<211> 581

<212> DNA

<213> Homo sapiens

<220>

00501-445460

PA-0020 US

<221> misc\_feature  
<223> Incyte ID No: 1557279F6

<220>  
<221> unsure  
<222> 564-565  
<223> a, t, c, g, or other

<400> 43  
gtttaaatca agagaagttg taatctcttg ttttaagctt gcgtttgagg gaaagtgact 60  
ttttcaccaa ttaatatgca ttgttctgtt gtttttattt atgattgac attatatgtg 120  
acttgcataa actattttaa aaaaaaacta taatgaccaa aatagccatg getgagaaac 180  
acagtggctg ggcagttcaa taggaggtga caatatgaca acttctcaag cttgggaact 240  
caccagactg tttcctcctt taggtaacag attctgtccc acggctaaac ttgtctttca 300  
cgtgggaatt gcttttgtca aacgtgaaag agtaaacaat agcatttccc cagaatgcca 360  
gttttatgga gccccaaatg ctctgaaaac aattagtaac ctggaagttg tcagcccaaa 420  
ggaaagaaaa atcaattgta tcttgaaatt ttacctatgg ctctttggcc tggctctttg 480  
ttcattataa gttagtgtgt ccttcaggaa caatgccctt aataccatag aacatggggg 540  
gccttaatag tgctaacatt aaanngcaac agatgattga g 581

<210> 44  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1561237T6

<220>  
<221> unsure  
<222> 152, 385, 399  
<223> a, t, c, g, or other

<400> 44  
tgattgaaat aaaccaagca ttgttgggct gaattatgga gagacccgag gaggtagtca 60  
gcctaaagcg ttgaccagc tgtgagcagc tcacaggccc tgcaggagga gcaggccagc 120  
gagggagaca caagcagatt gtcctgccag gnagggcgag gagggcccac ccaggccaca 180  
ggggccacca aagcaaaaaa gcagattatg aggcagcttc acccctccca gcaactggggc 240  
tggggcctgg cgagggtcac acctctgagt atgggggtgg tgctgggccc ccctctgggg 300  
tcttcgatgg caaagacagg gttcctcgta ggacggcagg accacttctg gaggatttgg 360  
agtttttttc tcctcacgag tcatnacttg taattgtana cgcacacgac ttgacatgta 420  
gac 423

<210> 45  
<211> 534  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1562722T6

<220>  
<221> unsure  
<222> 18-19, 511

PA-0020 US

<223> a, t, c, g, or other

<400> 45

```
aaaagaaagg aagaatanng ggaaaaaagg gagtaaggga gaagggaaaa ttcaaagcat 60
ggagaagcca ctgtttgttt ctctgcacc tgctgtctgc catctgtcta ctctttctta 120
actcttctct tctggcttct gctgtcatt ctctgttgat ctgctcttct gaacttcatt 180
agtgcacctg tgaatgataa gttcaatagc ctctctcaa tcccggtct cctccacctc 240
tctagctctg ctctcctcct tgaacattc atggctcttg acttctcatc ttccacctgt 300
ttgattctgc tccagcacct tgatcaatgt cttcctccta ccctttgtct ttaaattgcag 360
gtgccccgag ggctctgtcc ttggttctga actctccct ccatgttttc acttcttgct 420
gggttccagt taatctctct acacacattc ctctccagcc ctcaacactc tggctaacct 480
acatctctag ctatctgcta gacctctctg nctgatgatt ccaaacacac agaa 534
```

<210> 46

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1629481T6

<400> 46

```
gtaaacagac acatgaaatg gaaaagctct gcattatcag acttgggatg catctcaact 60
gaaatacaag caggactaac cagacacaca tctcataatt tccagtgtca ctgtacaact 120
atattaacag tggctcagttt ttttcaatcc acagaaaagc aagcagacaa accaaggcac 180
ttaaatgtca cttggctaata gacactcatt tcaaccctcg a 221
```

<210> 47

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1638102F6

<400> 47

```
tctggctttg ttctccgttt gaaaaaccgt cactttatag gcttaatata tctattttac 60
acattaagac tgtaccttca aactgtgttg ttccatacag tagccctagt catgtgtggc 120
taaacttgaa ttaacaaaaa ttgaataaaa tttaaaattc agttcctgag gtgcactaat 180
aacatttcaa tggctccaga gtaacatatg gctgggtggc actgtattag acaatacaga 240
atggtttcat catcacagaa agttctgctg gacagtgtg agttggaacc aggtgttctt 300
tacacacaga ccacttaaag actgagggtt tatttatata cctgagtttt ccaagcactt 360
ttatctttga ctgtggccaa cattctatag ggctaaatcc caactttagc agccggaagt 420
cgc 423
```

<210> 48

<211> 214

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1643115H1

PA-0020 US

<220>

<221> unsure

<222> 48

<223> a, t, c, g, or other

<400> 48

```
aaagttctga tcgtaccagt ctttcttcag tgggagccca ggattctnaa tctacctctt 60
taacagatga agatgtctgc catgagttgg aaggacctat ctctctctcaa gagaccagtg 120
ctacttcagg gactaagaga attgatctca gccgaataag cctggaaagt tctgcatcct 180
tggaaggatc tctgtcgaag tttgccttac ctgg 214
```

<210> 49

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1647985T6

<400> 49

```
tttattacaa ccccttttca gaaacaaacc ccaaaacaac acagagttat aaagtgaaga 60
tatatatata cacacacaca catatatata tcatacatat aattattata tactttttca 120
gttttctttt tgataactga aaatatctac aatgttttcc attccattat agattaccat 180
tccatttgca ataattacaa acacatacat attctacgtt tgcaaaacaa gattccatct 240
gtactctctc ctgacacaca cattaccttt gtctctagtc tttcactaca aattaggcct 300
ttgaaatata tctccttctc cactccattt gtagatagct tatctcccat tgtatcctat 360
cattgccaac catcagaggt aggggcacct tttctttctg acccacactc ctacacttac 420
tatttct 427
```

<210> 50

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1648034F6

<400> 50

```
caaatgcaaa tagtctttat tatgagaaag cagtgttatc taggaaagtc acatgctggt 60
ttctttctaa taaaatgaca aagcaggttt cttaaataat ttacaaaggg cagaaattgc 120
tcttgaacag ggctaccctt cctggcacat ccacagtgtc ctgcatgagc atataaatag 180
gtacccgtga gccacaggtc gtaagcctgg aaatatctcc tatgccttcc tccgagtccc 240
tggtagggaa aggagggatg agagtggggc cctcaagagc cttggcacca gaaacacagt 300
gggtgagtga ctctgcgatg gactcccaaa aaaccaggca cccgggtaca gagctaagag 360
ctctcaaata tctgatgcta gcattcatgt tatagatgag gcaaatagaa ggctcaaggt 420
caagtgtacg atgagtttct aagctcaaga gtcccctagg aaagcagaag gaacaattct 480
ccccctctgc aaggtctccc caagacactc tcaggctatg 520
```

<210> 51

<211> 320

<212> DNA

<213> Homo sapiens

<220>

PA-0020 US

<221> misc\_feature  
<223> Incyte ID No: 1674289T6

<220>  
<221> unsure  
<222> 31, 67, 69, 71, 75, 79-80, 83, 87, 89-91, 94, 127, 141, 166, 169, 172, 175-176, 182, 196, 200, 206, 219-220, 223, 225, 227, 243, 261, 270, 274, 276, 288, 293, 305-306  
<223> a, t, c, g, or other

<400> 51  
tgatatagct atttttgtaa gaacatcctc ntggactttg ggtaaattaa atctaaactt 60  
atttaangnt naacnagggn aangtgnann natntgctaa aagaatcaag taataattac 120  
ttagctnecat tcttgagggt ngatgactt ctagctgaac tcactntgnt cngtnngatt 180  
tnttaaatacc cttttngtan acctanttc acgaaatnn aanancnttc acttcagaaa 240  
ggnaaacagt tgttggggct nagcacttan ttntctgag caggaagnag ttntctccaa 300  
acttngcca tctggatact 320

<210> 52  
<211> 619  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1685691T6

<400> 52  
taaaaatgtg caaatcattt gtttttaatg gtatttatgt ttacctcttc tctacttttt 60  
caaagccact aacttttagg cacatgtgga tttggtggt tttcttaggc tacaaatcat 120  
ttggtccata acaagattat caaatgacaa cctggccaga gcagatacaa atgggttctga 180  
cttaaataagg ttgttgagca aggagatctc acatttttaa gaatattttc agagggagaa 240  
tttgagaagg ggggagaaaa aaacaaacag gaatgaacat aaaagtataa aattctagac 300  
aaccactaa accagttagc aaaaagagga gctcttaatt gaaatagaga atttcccaa 360  
aaaaagggtc gaatttat ttaaaacatt agatttgga aatacctaatt ttgaaagttt 420  
aattttcata tatacgtaa acctgctttt agggtagttt agtcaaagct gaaacaaaac 480  
aaataaaatt ctggcttata tatctgatac ttgaataagg actctgaaaa aaatgttcc 540  
cgtttttttt ctgctcagcc taagatatat ttttgacatt acataaattt cagtgatatg 600  
atctggctcc tatttaaca 619

<210> 53  
<211> 566  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1693719T6

<220>  
<221> unsure  
<222> 133, 136, 522, 560  
<223> a, t, c, g, or other

<400> 53  
tcttctgtcg ccaagggtcc cggaccgagt acacggtggc agctggctta gttggtggac 60

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```
ggcttggccc actcgacgtt gaggatgagg tggtcgtagc caaagccgga caccgccgga 120
atggcacgcg canatncctc gcggcgggtg aagctgatga aggcgaacct tggattggcc 180
agtggctctt tccttagcca ggtagatgcg ggagatggag ccgaaaggcc ggaagagctc 240
ctgcaggctc gtctcacgcg tgcctctga caagttggtg acacggatgg tggcgttgct 300
gtcggctctg cggttgggtt gcatggactc cccgcggcgg ctggccccgt cgcgcaggct 360
cggcggcaca tacttccctg tcttgctctg cgtggcctgc accggctcta gctctgggga 420
ccaaaagaca gtcaagttca acctcactgt ggcgaggcg tggggacaga accgccccag 480
gaagctcggg cttcagtgtt gagccagcgc aggcactgtg tncaaacacc aggcagccag 540
tttgccacga ggacaccaan gtgaca 566
```

<210> 54  
<211> 527  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1695667F6

```
<400> 54
gtgagaagga gtttctgtga ttttaactgc tattgtaata gaaaccagtt gattctgaag 60
agtcacctct tttcctggaa atattttggc tgtgagttaa gaggaacatt attttctccc 120
atgctgggtg ctttggaag gggttgtcat cagtgcaatg aacttggctt gggacttccc 180
tccttcccca tggactgggc ccctgggtcc tctgttgctt ctgggagggg ccttgggagt 240
acagtttact ctaggccagg acattctaag acatgtggaa accattggtc acacctgcca 300
gcaacagaga ttagtttgta aatgtctgtt tcaggtgttt cacagcatct agtgaatgac 360
cgttgctccc ataccagatt ctgggtgacct gatcttaggc ttgacagctg tgggtggagac 420
ttgggttggc agaagcctac cttggtgtgt tggagaagt attgcttagt gcatgaggtg 480
cctttacagc ccatttgcag tagtctggct gaagcctgct gctttga 527
```

<210> 55  
<211> 497  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1704982T6

<220>  
<221> unsure  
<222> 416  
<223> a, t, c, g, or other

```
<400> 55
ttgtcagtac atgacaagaa aaataagctc cctgggtccat agtggccaag acatatcatt 60
aacattgata tctaatacac aagttattgc acattgagat atcttaatag ttggataaca 120
ttcttatttt aaaacaatat gtgtggattg gagattttgc aatctaggca caaaagatat 180
cttctgatcc cttccgttat tcagaaagta attaaaatca actaaataga ttacaaagac 240
aagaagagca aaaaattgta atctcctggt gaacatatta tgaattggag ccaattactg 300
gtatgcattt ctattaccct tggcctttgt aatctggaag ctataaactt caaaatgttc 360
aattcagcat ataagtcatt atattagaaa attccattaa aaacctatag aaggtnaaat 420
gatttaata tagacataaa atagtaagca tgaaggtgtc catatattaa tcctggtaat 480
ctaaaatatt attgggg 497
```

<210> 56

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<211> 397  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1713873T6

<220>  
<221> unsure  
<222> 20, 39, 56, 63, 74, 96, 105, 154, 166, 168, 171, 180, 183, 190, 274,  
280, 286-287, 296, 303, 305, 309, 314-315, 324, 343, 349-350, 364, 381, 393  
<223> a, t, c, g, or other

<400> 56  
agaatgcatt tgaacacaan atataataat aatactacna acatacattg tgatanacat 60  
ttnaaaatga taanatgtcc acctgaaaca atgcantggt catanacata cattgggtcat 120  
gcacatttgt gccattttct gtaattactg agtnacaatg tctgancntt naagcatgan 180  
acntattgtn caaactgaaa ctgacatcag taagaggcct aacaagtgtt atcagaagag 240  
gcctcacatt tgcgtaattt gctacatcag ttncatttnn attatnnaaa ttcacnttgt 300  
ttnantggnt tctnntgtaa tgancctgaa catgacattc ctncttaann gcaggcagga 360  
ggcnacctct gcaaagtcag ncagttcggg agnatctc 397

<210> 57  
<211> 466  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1755881F6

<220>  
<221> unsure  
<222> 25, 359, 392, 402, 407, 409, 421  
<223> a, t, c, g, or other

<400> 57  
ctgagaaata agtatggtgg gggcnattcc ctgggttcag aactactata aagatcagaa 60  
agggtgtctt attttaattt ctgtcaaagt cctttatcac ctggaggaca aagtaaacct 120  
ggaggggtga tgtggattta tgtcttgtgt ggctgatgat ggtggatgtt ttcaggtctc 180  
tctgaagagg ctatcatgga gctgaacctg ccgactggta ttccatttgt ctatgaattg 240  
gacaagaact tgaagcctat caagcccatg cagtttctgg gggatgaaga gacggtgcgc 300  
aaagccatgg aagctgtggc tgcccagggc aaggccaaga agtgaaggcc ggcggggang 360  
atactgtccc caggagcacc ctccctgccc gncttgctcc tntggcnent cccaactgca 420  
natgtcacac tggaccacat tctgtagaca tcttgagttg tagctg 466

<210> 58  
<211> 517  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1801605T6

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<400> 58

```
tgcagattta acacatttct aatccaccac atacggatag cagtaggtat atttcttgac 60
atcattcagt ctatttcaaa aatagatttg attgtttaga ggcataattt ataaagcaag 120
ataaccaaat taaacaacag aattttaact aatattggct ttttgggatt tcttaagaaa 180
agattcacia gcattgctca gctactggag aataattaaa tctcttcttt actcaggcac 240
ttttaatgca gtaacctcag gcttcatttt aaagtactgg ttaaaacgaa caattgcata 300
cccaaggaaa tcaaactcaa tagtggagta tttggcttga atcaaagccc acaatcccca 360
aaagaaatga gaagccaatg caaactgatt gacttgaatg aagagtattt ctacctcctt 420
ttcagtaact tcagtcccaa agcccttaaa ttctttgtag gcttcaaggt aagcacgcag 480
ccactgactc tgtagttctc tatctggata cagacta 517
```

<210> 59

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1809609T6

<400> 59

```
ttgatataaa aatataatta aaaaattttt tttggtggaa gacagatgat gctcaaattt 60
cttttccatt aagcagttgt ttctggtgat gaagaatgat ttggtaaagc agttaacaaa 120
acattttcca aagacaccag agggctctgta tagtactgca aagcaggact gaatcccttc 180
tgctgcaaat actggattcg accttgggtca atcagcaatt tacaaagatg ccctattttc 240
ttcttttctt caacactaag aagcccaggc aaacaatcag cgccatcatc tgtgattctg 300
tatactccat catcatgctc ttcactatca tcattctgat tatcttgcct ctttgtggta 360
ctatttgagg tttccaaaga tgttttccgc atcccacaag ttgcccact actcattcgc 420
tggaataaat ggaattccac tgctccaag cctagagcct gaaatattc 469
```

<210> 60

<211> 121

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1851506T6

<220>

<221> unsure

<222> 7, 18, 22, 30, 40, 61, 63, 71, 75, 83, 90, 96, 110, 117

<223> a, t, c, g, or other

<400> 60

```
tgtgaantaa acaatttncc anattgcatn aaaaacatgn aacaattttt tgaaacatct 60
ntntaaacta ntganagtca canatgtaan atatanaggc ttctctctgn taaaagnaag 120
g 121
```

<210> 61

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

&lt;223&gt; Incyte ID No: 1856531T6

&lt;400&gt; 61

```

tccctactat caccattgtc atcatcacca tcaccatttc tatcataatc accaccatca 60
tccctcctcct cctcatcatg tccagtgtaa gctggagtgt agtggcgtga tctcggctta 120
ctgcaaaactc cgctcctggt attcaagcga ttctcctgct tctgcctccc gagtagctgg 180
aattacaggt gtgtgccacc acaccagct aatgttttgt attttttagta gagggcgggt 240
ttctccatgt tggccaggct gatctcgaac tcctgacctc aggtgatcca cctctctcag 300
cgtcccgaag tgctggaatt acaggtgtga gccactgtgc ttggtctatt tttaaagtag 360
tatcaaaatg tgccacatg aaaatgtcac atactcattc ctca 404

```

&lt;210&gt; 62

&lt;211&gt; 584

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1873492T6

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 506, 571, 579

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 62

```

tcaacttata accaacaatc aacatttttt agttcaggta catttggtga agaacattag 60
ggagaaatgt aaattaaata ctatgaaact atgcttttaa tgaaacatgg tctcagtaaa 120
atatggacac aaaagtttag tggttttatt gcattgttag aaaattatat tatgaaagat 180
ataaaaaaat caatgttttt ctgcttcttt tataatcagt atgccatctt ttaccattat 240
ggcttttaatt ttcattctac ccaacaagtt tcaaagaata gtttattaca tgccttaata 300
aaacatttaa aatattttaca gattcaaaat agatgtttta taactgaaaa aagttcacct 360
gagaattcac cgtaacattg ccattttttt cccaagttgt taatgtgact gagtgtccac 420
atgcaacctg tatcgtctac tgcactaac atacttattt cttattttaa aattagttaa 480
gcagtaagct atagcaaact gttaanaaaa attacaggat ggccaaccaa gactgggtatc 540
cacatttttg tttggaatat gacaatttaa ncgaattant ttgc 584

```

&lt;210&gt; 63

&lt;211&gt; 473

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1879193T6

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 3, 5, 16, 56

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 63

```

canangaggc aaagtntttc acatcataga cttcacttcc aactccttgg aatgtncatt 60
tctttggctt accggagaga ctagacagga aggccaggca atgcttaggc aactaaaatg 120
aggttggggg taatgctaac gtcacctca cagggatggc cacggggact gttattcgca 180
agctgggttt ctagacctgt tagctggaag catggtgagc accatttctg gacgctcagg 240

```

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ccgtgtcggg cttcagtcac ctccaccaca caggtacagc agcgctttct ggtagtcgcc 300  
cttagtgtct tgctacaatg gccagggaaa gaaaagaaac gtggtatcag aaaaaagccc 360  
agactcctca ataacacaga agtagcctca acgcacaatg aagcttctcc catgacaaag 420  
agaagactct gcaggagacc tgccctgata caaaggcctg gaaggcacac cca 473

<210> 64  
<211> 127  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1880542T6

<220>  
<221> unsure  
<222> 6, 8, 10, 15, 29, 33-34, 43, 54, 64, 66, 70, 90, 92, 119  
<223> a, t, c, g, or other

<400> 64  
aatatntnch catanattag gtaaagttna agnnttgggt cnttggagta taantttttg 60  
taanantagn cattatttgg taacagaatn tnaggatgat ggaatgatgc gaaggatatna 120  
cacattt 127

<210> 65  
<211> 341  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1880666F6

<400> 65  
tagccctca ctgttttcct cttatccatg attttgtagc ttcttgagag agttccctag 60  
gctctggcca catacaccac tgcgttttgt tgttggtggg acactggagt acccctggat 120  
tccctctcc catctcctga gactgatctc tggagttagg ctgtggtgtc ttaaccttg 180  
ctgtacatt cactagcagt ggagcaagtg aatagatacc aagtcctgtg agcagtgtt 240  
ggcatatagc aagtacttct taaatgttaa ctgttgctac ttttaaactc cttacctcta 300  
ataagccgtt ccagatgctt cctgatggga gataaacact g 341

<210> 66  
<211> 473  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1881257T6

<220>  
<221> unsure  
<222> 21, 382, 449  
<223> a, t, c, g, or other

<400> 66

PA-0020 US

```
ttagagatac aaaatTTTTat ntacaattat tcagattaaa acattttaaac tttaggTTTT 60
atttacaagt atttatctta tcttcctctc ctatttgacg ttttagctca agaagagtta 120
aaatggaatg catctgtaga tatatagttg ggaatgcgtg ttcagtcact tggctctgtg 180
ataataatct tatgtacat gtcagacaga ttttcagact ccagatcctc tttgccatta 240
tctgaatttc ctgatgagat atagcaacca gagtcccttg ggcagtcac taactgtgac 300
ttattttaagg agatgtctga gctcaaggat aggggctcag gttcattttc ttgctcttga 360
ataactgtaa atggaaaaaa anggcaggag ttaggtaaaag caacacaaaa tcttattcat 420
ggtactcatt cactttcaag tattatccna ttttaactgg tctaaccatg act 473
```

<210> 67  
<211> 259  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1900194T6

<220>  
<221> unsure  
<222> 136, 155, 157, 160-161, 166, 168, 170-171, 173-175, 177, 179-182, 184,  
186, 191, 193, 206, 216, 218, 220, 231, 239, 244, 247, 250-251  
<223> a, t, c, g, or other

```
<400> 67
tgggtggttg tgtacaggac ccccatccct caccctccc agaaccaaag aagacaagca 60
gcgccaccaa atggctccct ctgcccaagt gaaagccgag aggtcagcgg ctggctgggg 120
aggcaggtga gcgcanacgg cacagggcag gggcngntgn ngtganangn ngnnngncnn 180
nncngnctgg ncngggggtg atgggnagat ggcgngntn cttgggtagc ngggtaggnt 240
tggnggntgn nggttgga 259
```

<210> 68  
<211> 369  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1908377F6

```
<400> 68
catgagtctg ctattgttaa agcaacacaa atcagccgga gaaaacacct attttctcgt 60
gataaactaa agctttttct gaagcaacac tgtgaaccac aagatggagt cattaaaata 120
aaggcatcat ctctttcaac gtataaaata gcagaacaag atttttctta tttcttccct 180
gatgatccac ccacatttat cttcagtcct gctaacagac gaagaggag acctcccaaa 240
cgaatacata ttagtcaaga ggacaatgtt gctaataaac agactcttgc aagttatagg 300
agcaaagcta ctaaagaaa agataaactt ttgaaacaag aagaaatgaa gtcactggct 360
ttttgaaaa 369
```

<210> 69  
<211> 202  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature

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<223> Incyte ID No: 1909861F6

<220>

<221> unsure

<222> 80

<223> a, t, c, g, or other

<400> 69

```
ctgcccgtct cggcctccca aagtgtgtga agggaacaag gagatatatt ctgggtgaag 60
ggtgatgctg gctgcagatn gtgagccctc agactcacta gtggacatgg aagatgagga 120
aaggggcccc agcatggcag tgggaagggc tggggacctt cagggttgggc ccacaggggt 180
aggagacatt accgtggggc ca 202
```

<210> 70

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1911715T6

<220>

<221> unsure

<222> 187

<223> a, t, c, g, or other

<400> 70

```
acaaattatc aagaaaaaga caagccagta gaaaaacaga taaggatgca actaaacaat 60
tttcaaaaaa gcaaatcaaa tagccagtaa gcttaggaga agatgctgaa atgcattaat 120
attaaggagag acacagacta agataatatg ctatcaactt agactcatcc aattggaaat 180
tttttanaag gtaaacatac cttttcgtga tatgaattga gggaacatgt actcttacat 240
tttgcttcta aaactgtcaa ttgttagaag tttttttgga aagcaatctg gaaaaatctg 300
ttggaattta ttaaattgat gtacccatcg aaca 334
```

<210> 71

<211> 215

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1930135F6

<400> 71

```
gttacttaca gtagcacaga aatgttagca tattttattta aatagtcctg cagcagagac 60
cctgcgattg taaagtgatt taagtatttc tgggtagtgt ttgtgattta cggatttggt 120
actgaaaaac aaaaaaaatc actactgtga atttactact atgtaacott gtggtcgtat 180
ttcattataa ataaaataag aattgctctt ctgcc 215
```

<210> 72

<211> 533

<212> DNA

<213> Homo sapiens

<220>

PA-0020 US

<221> misc\_feature  
<223> Incyte ID No: 1943678T6

<220>  
<221> unsure  
<222> 122-124, 384, 465  
<223> a, t, c, g, or other

<400> 72  
agggaggatc gatgccacgt gggccccagc tcacccgggt ggaggctggg agctgaaacc 60  
gaacccaggc aggagatggg cgacggcgga ggtgcaaggc agggcacggc gcacaagacg 120  
annncggccg ggcgggggtg attagaggtc actctcgccg tacagcgccg tggagaagga 180  
catgtagtcc agagcacctg gcacggagtc ggggccgggt tagggggcca tccgcgcgat 240  
gcagtactca gcttggtcgg gtggcagctc gcggcgact cgtccatggt aatgtagttc 300  
ttgtccccag ccaggatctt gaaggaagcc atgacttggg ctgctgtatc tgtgtcggct 360  
gtctcgcggg acatgaagtc aatnaaggcc tggaatgtca ctacccccag gcggttgggg 420  
tccacaaatg ctcatgatgc gggcaaattc tgctttctcc catgntgtaa cccatggaga 480  
tcaggcaggc gcggaaatca tcogtgtcca tcatgcctgt cttctttctg ggg 533

<210> 73  
<211> 367  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1963968T6

<400> 73  
cattttcata ataaaatggt atatccacaa ataaaaatta aaaacaattg agaggtgggg 60  
aaaatatcag tattatttta aaaaaataaa aatggcaatt gtaaagcagg cagtttcttg 120  
ctcatgccac acgatatgcc ttcattaagg tgtactcttt ccggttgggt tgagcagccc 180  
agatgaagag agcagaagcc atgaactgta agggagcaga gacacaagcc aggcagaagg 240  
accatccaaa ttcaccgat acattgtcag ggagctctag tttctgggtg agtagttcca 300  
ttccagcaac ataacaactt actgagccca gtgtacacag acctgcaagg agatggagaa 360  
tgcccggt 367

<210> 74  
<211> 469  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1973066T6

<220>  
<221> unsure  
<222> 204  
<223> a, t, c, g, or other

<400> 74  
agagcaatag gaaaaattaa atcatttccc acatattggt ttcttaaaac agagcctaca 60  
aggacatatt cagcaccaaa taaaaaagga aaaaaagaga aattacaaac agccatagaa 120  
tataatctat aaagcaaaca tttaatatg cactttgttt tgctaacatt ttggatttta 180  
cttttcctaa ttgaaaaatc aggnatctat cttgaatact ggaatacaac tgtgaacctc 240

PA-0020 US

```
acatcttatg tcaggaattg accaatatatt ttaaaaaagt aatgcctcta aagaaataca 300
tttttaaagg gaaaataaaa ctttatttga taaagtttta tacatttaaa gttttatcac 360
atthttgtgat ccagtgccaa ttatcagaat attggtcatt cttgcttcat gtgttatttg 420
taagagtata taatgacaag tattcccaat gctatgcata tcaacaatt 469
```

<210> 75  
<211> 510  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2016488T6

<220>  
<221> unsure  
<222> 499  
<223> a, t, c, g, or other

```
<400> 75
gtagatataa cttccaggaa ataagttaca taaatataac agaataaatt cattttctta 60
agtttcaaat taaagatgat taagaaatac agctttatgt aaagtttctg ctttttctca 120
accacgccta aagaggaaag aactggcagc aggaacactt gtccttagga aacaaataca 180
acaaaattat aattaaaaag atcttcaagc tatcaaaatt tgtgagagaa ggatggtaag 240
aatgcagtag aaattaccaa atgacaaaca aaatcctatc agttttcagg ttggtcaaaa 300
gtaacttcat gaatatagcc tgtgatcagc atatgtccca tagcttataat gccctctata 360
cctccagagt tgcataataa actttttaaca ataaaacaac aacgaatatc aggttgtaaa 420
tatttatatt tctctcacat acaatgttgt atgagacact tgttttaata tgtatccata 480
ggattaatac tcatatggna gtataatgtg 510
```

<210> 76  
<211> 65  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2025468T6

<220>  
<221> unsure  
<222> 5, 14, 18, 37, 51, 53, 59  
<223> a, t, c, g, or other

```
<400> 76
gatanagaag caanaaancc aggcaaatac ccatcanaga cagtgacaag ngnagctgng 60
ggcac 65
```

<210> 77  
<211> 454  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2054867T6

PA-0020 US

<220>

<221> unsure

<222> 49, 65, 275, 301, 306, 330, 360, 377, 429, 431

<223> a, t, c, g, or other

<400> 77

```
aaataaaaaa gggatcaatc aacatatatc ttagaagtcc ttccaagant cttggtatgc 60
aacanccatg gaggtgtgga cttttttcct tcttttctca gcctgcagtt catttaagga 120
tcaccggaga tgactcgtgc tctagttcct aaaatcaaac ttgttctgcc aaatccaaga 180
ccctgaattt gtccaaattg tagaaacatg cttttaccac ccgtccacca aaatacctcc 240
cattcaagtc aacaaccgct ttaattgctg attcnactct ctcaaattct aaaaatatcc 300
ntactncttc atcatcaggg ggcaccaggn atttcaaata tcacacattt tccaactttt 360
gccatatttt tcacatnctt ccttggtttc aacttccaag tcttcatcca cctctcccgc 420
accaaccang ntccttagta agaccacttt agta 454
```

<210> 78

<211> 153

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2073909T6

<220>

<221> unsure

<222> 24, 56, 68, 70, 74-75, 79, 111, 116, 123, 128, 131, 136, 139, 141, 146-147, 151

<223> a, t, c, g, or other

<400> 78

```
agctgggaaa atcagcgggt gganttggcc acacgctcca gctcgtcctt cttctnaatg 60
gcataggngn tcgngagnc cttggcagga ttgatgagct catctgccag ntactnagca 120
atngtctnaa ngttcnggna ngcagnntca nga 153
```

<210> 79

<211> 89

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2102771T6

<220>

<221> unsure

<222> 54, 59, 66

<223> a, t, c, g, or other

<400> 79

```
aggaatagat gcttgggatg tattaatgag caaaacaata ccagtagcaa actnttacnc 60
gcaganaagg gtttcaaata ttgttggca 89
```

<210> 80

<211> 522

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2121554T6

<400> 80

```
gcaataaata aaaccagaca tattgacttc taaaaaacia aaccaaacia aaaaaaaatc 60
ccctaaacta tatacatcct acaggaatac aggcattatc aaatgtagaa atgggtatcac 120
tctgaaagat ggggctatct acacaagtta caagaattgc gttgctgtct ttaagaagtc 180
tcctccttga ataactcata aactctaagg gagagagagt actgggtggg aagcgggggt 240
caaagaggag acatcctcca tctttattga tggacaagac agtctcaagg aaaaacatca 300
atatccaaac accgtattga gtcccttaac aagggtccac agatcagctg gctttcaaaa 360
agcctggaag ggtgctccac tcaggaactc ccaagagaaa ccatcttgct cctcagccag 420
gctgggactg gcagtggagc catgctgagc cagtggcaaa cccgtgggct gtgggtttca 480
caagacaacc tggctctgtg ctgtcacacc cagccttcaa ca 522
```

<210> 81

<211> 573

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2134473T6

<400> 81

```
ataaaacact aacaagttgt gatctgcaag taaaaaatc caatatgaaa ttctctgtgc 60
ttctatttac cctaagattg ctaggtcttc gctaagacct ttgttattat gaatagcagc 120
aaacagatac atacattata gagccaacia cagagatgaa taacatagct cagaatttca 180
ggaaatggac agaccagaac ttaatgctct tcaaaaagta aaatataaag ctatcctccc 240
acgttttagta cggagatcta attaaagtaa ccatctttaa atgatacttt caagtatttt 300
ccaaccatag taggtcfaat agttgtactc tttttagtgg gttccctttt tagttgttct 360
catagaaagg gattaattct gaacaattag ccaattaatt taaattaatt ttaatcatga 420
gcaatacagt acctagaaca catgtaagga tgaatctgaa cactttcccc ttattttact 480
ttgaggataa cagagaacia tggaaaacac tatccttcag ttatcaaaaa ctactgtgg 540
gcaatggtta ccaatacatt aaaggctgta ctg 573
```

<210> 82

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2208881T6

<220>

<221> unsure

<222> 49, 97-99, 157, 166, 225-226, 236, 242, 258, 279-280, 283, 289-290, 297, 307, 323, 368, 387, 396-398, 400, 417, 429-430

<223> a, t, c, g, or other

<400> 82

```
acaaaacaaa acaggcaatt gataaaggcg gcacaatggg gaaggagang tgagggtgtct 60
ccttagccac ccgacaccat ctcaattcag ttcaatnnng aaacactagg agaaacagac 120
```

PA-0020 US

```
ttaaataact atcaaggggt acagaggttaa gagttcnagc cttccntctt ggggaaaact 180
aaggcaaagt aatactgaga aaaagtggag gaagccacac cttcnngtca ctccantgag 240
gncgactgga ggggacanag gagagaattc cccgcagann cancaagttn gcgtggnttc 300
taaaccnggg actttggcag gtngggctgg gagctgatgg aatttgtaaa ccaggctgtg 360
gtcaaggnag gaggcaggag ctgtaancaa aggggnntn acctaggcaa tgaaagnctt 420
gtgcctatnn a . 431
```

<210> 83

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2211623T6

<220>

<221> unsure

<222> 200, 223-225, 238, 242-243, 275, 278, 289, 299-300, 312, 315, 361, 376, 387, 389, 395, 404

<223> a, t, c, g, or other

<400> 83

```
gtgcaaatgt tattggctat tgtaaaaatc aatctcattt cctgaggaag tgctaacaca 60
gcttatccta tgacaatgtc aaaggcatag aatgctctat gtcacccact ccctgctgct 120
gttggttctg cttatcccca cagcttacag ggaggggagt gacccccttg gttttccagg 180
aagcatcagt tcaggggcan ctctctgctg atctgttctt tgnnngagac gggcagcntc 240
tnnggacatg gccagagcctg cccagaaga gctantngt agtgtttang gagcccgttn 300
tcaggaatct tntcntccga gcagctcctc cccgagacac tgtccagatg ctccagctca 360
ntgacagcgt tctgcnacac aatgggntnt gagangggcc tctngg 406
```

<210> 84

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2216715F6

<220>

<221> unsure

<222> 28, 57, 78, 245, 264, 266, 293-294, 296, 303, 320, 352

<223> a, t, c, g, or other

<400> 84

```
gtaaatctga attagtcaga acatctcngc ccgggaacat tttgtattta ccgatantga 60
tgccaagtg tatcatcnca ctgttggaagg aaactcagta aaagacagtg ctcggtattcc 120
accagatgga agtatgggta gtattacctg catcgcttgg aaaggtgata cattagtgtc 180
tgagatatg gatggaaatt taaatttctg ggacttgaaa ggcagagtat ccagaggaat 240
accncacac cgaagttggg tgangnagat tcgttttgct cctggtaaag ggncnaaga 300
ttnatagcat gtacaatgan ggagctgaag tgtgggatac taaagaggtt cngatggtga 360
g 361
```

<210> 85

<211> 196

PA-0020 US

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2239116F6

<220>  
<221> unsure  
<222> 122, 130  
<223> a, t, c, g, or other

<400> 85  
accactttta gcagcagatg aaagagtttc ttttcctgca attgagacag cactgggatg 60  
acttggtttt ctgtttgcac cacttccatt ggttatacag gacatgggaa taactgctcg 120  
anggcttggn tggcctttac ttgagactga ttttttctact gaggccacat gatcttcaga 180  
gattgcaaga cgcctc 196

<210> 86  
<211> 359  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2242596F6

<220>  
<221> unsure  
<222> 15, 23, 129, 145  
<223> a, t, c, g, or other

<400> 86  
ccgcgcttgg cgcanaggaa gcngcggcga acgcggcctg aattcccggc gccggcccca 60  
gtcctcttgc cgtgcgcgcc atgctcgact tcttcacat tttctccaag ggcgggcttg 120  
tgctctggng cttccagggc gttangactc atgcaccgga cccgttaacg cgttgattcg 180  
ttccgtgctg ctgcaggaac ggggaggtaa caactccttc acccatgagg cactcacact 240  
caagtataaa ctggacaacc agtttgagct ggtgtttgtg gttggttttc agaagatcct 300  
gacatgacat atgtagacaa attgatagat gacgtgcac ggctgtttcg ggacaagta 359

<210> 87  
<211> 481  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2264984T6

<220>  
<221> unsure  
<222> 303, 321, 346, 351, 368, 417, 426, 459, 463  
<223> a, t, c, g, or other

<400> 87  
tattacatga tttgtgcaat tgcaaagggtt acatttttga tctctgggtt tttaagaacg 60

PA-0020 US

```
cacgtcatgg tgagagtact ttggtcacca cgggaaacac aaccaaccaa gtgttttgcc 120
aagagacaca gatcggaacg ctcatcacia cactgcatgg ctcatcagat gcaggttgcc 180
acaggtctac agtcacatgg ttaatgaaaa tccaaaacag gaccaacagg atgacacatt 240
ttctgttctt aatgtctcatt gccattattg ctagtaagtc aatgggagga gaaataagct 300
gangatctga tgactgagga naagtctgac actagatttt gtccnatca ncatttatta 360
ggtcaaanga aagaacacag tttatgtggg ttttaataat gtagttttta aaagaanttc 420
agaatnacca ttcagttttc taaaaatata gttgctctng tcngtatgta gaggaagctc 480
t 481
```

<210> 88  
<211> 475  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2299164R6

```
<400> 88
gtatggccac tgccccacta tgttttatct tcttatgtaa gtttgcatat cagtcatgac 60
tagtgccatg aaagcaatgt gatggtcagg atctcatgac attatatttg agtttctttc 120
agatcattta ggatactctt aatctcactt catcaatcaa atattttttg agtgatgct 180
gtagctgaaa gagtatgtac gtacgtataa gactagagag atattaagtc tcagtacact 240
tctgtgcca tgttattcag ctactggtt tacaaatata gggtgtcttg tgggtgtagg 300
agccccactgt aacaatattg ggcagccttt tttttttttt ttttaattgc aacaatgcaa 360
aagccaagaa agtataaggg tcacaagtct aaacaatgaa ttcttcaaca gggaaaacag 420
ctagcttgaa aacttgctga aaaacacaac ttgtgtttat ggcatttagt acctt 475
```

<210> 89  
<211> 435  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2299181R6

<220>  
<221> unsure  
<222> 328, 361-362, 368, 371, 373, 382, 385-386, 389, 395, 397, 402, 430  
<223> a, t, c, g, or other

```
<400> 89
caaatttgcc tgcaggctcc ccgagtgcct gggcttctct acccagggtc ctgtctgtcg 60
gctgcaccat acgtccctga ccacaaggca tccacgtgca caggagtatg cgcccagcag 120
ctgggaagga ggctgacctc agacgggtggc ctgtggatcc cagctctgtc atttccctggc 180
tgggtgacct caacctagtc accctttttg agtcttggtt tctcagatta tgaaatagga 240
aaaatttcct tctcgtgag ataagcacgt gccattagct attaaggaca cgcacataaa 300
tgagctgcat gtgaatccac acatgccntt ccatgaagac atcaaagagg atcatgtgga 360
nntttggngc ntncgggtg gncnncntt aaggncngtg antggtcaga cctgtcctga 420
ggcttttacn aattg 435
```

<210> 90  
<211> 74  
<212> DNA  
<213> Homo sapiens

PA-0020 US

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2328025T6

<220>  
<221> unsure  
<222> 56, 60, 63, 65-66, 69-70, 73  
<223> a, t, c, g, or other

<400> 90  
aagaaaaagc tggatctcag cattcaccag agcaaaattc aatggcaacc tgcacntaan 60  
tcncnnttnn aant 74

<210> 91  
<211> 460  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2370487T6

<400> 91  
aacttttgtc tagttttgca attctcagat attccagtgc aaaaatagat cccattacag 60  
acagcgtaaa gtgcttgga tgagggccaa tgatgaacaa agagcacaaa aacagcttca 120  
tcttagggta taagaaggga taatagcata cctaaatcct tatggaaata gaaacattct 180  
aaggggggatg caacaatttt gaaaagaatt agagcaatat ttctacagta ttacattatt 240  
actagtagat aataagggtg caaattaatg tctcaatatc aaagtgggtc agtattacat 300  
gacacatggc tctttggaaa atattttacc tgatatatac aaccacaaga agaaaacaca 360  
gacaaatggc tttagtcaat gattactata cagtgaatga atgatgtgca acatttaata 420  
gtcacaaaagc atttgctttc agtacagata atggaatata 460

<210> 92  
<211> 510  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2376728T6

<400> 92  
aaacttagtt atttgtagct gtcagatgag aagtatttcc taattacacc cattcataaa 60  
cactcatttt atcacttcaa agagcaccag tgtatttttt caacaaacca gaaagtaaga 120  
aggtaggggc ttattttcatg taacagtgtc attatgataa ggcaccacta ggtatatgaa 180  
aaagccaaaag tattttccaaa tcatgtgttt ttgttactgg tgtcttaacc attagacagg 240  
atggtttagaa aaaagctgct aacattatta atgaaccaca ttatagcccc tttcccacca 300  
ttctgtgctt ttagttttac ttataacaga aatgaaaaca acaacgtagt acatgacctg 360  
ttaaaacaaa catcttttcc caaccttcca agaaaataac ctaaaaataa acaagaaaca 420  
aaaaatttat ctgatataat tgcaaaagcc tatccctgta gaagagtgtg aggagtggga 480  
gaaggcaggg ggacctactt tctatggaat 510

<210> 93  
<211> 500  
<212> DNA  
<213> Homo sapiens

PA-0020 US

<220>

<221> misc\_feature

<223> Incyte ID No: 2478811F6

<400> 93

```
caactgtatg ctactgggac agactgttgc atttgaattg tgatagattt ctttggctac 60
ctgtgcataa tgtagtttgt agtatcaatg tgttacaaga gtgattgttt cttcatgcca 120
gagaaaatga attgcaatca tcaaattggtg tttcataact tggtagtagt aacttacctt 180
accttaccta gaaaaatatt aatgtaagcc atataacatg ggatttttct caatgatttt 240
agtgcctcct tttgtacttc actcagatac taaatagtag tttattcttt aatataagtt 300
acattctgct cctcaaccaa atgcaatttt ttgtgtgtgt ttgaaagcta atttgagaaa 360
atttcatagg ttacattttc tgcagcctat ctttatccac agaaagtgtt ttcttttttt 420
taaatacaaga cttttaaaac tggatttcct cccatcactg ttttttgaag gtccctccaag 480
tccgtgttaa ggtaaatatc
```

<210> 94

<211> 557

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2486153T6

<400> 94

```
ctgttcatca agtcagttcc ctaatttcaa aaagccgaac caaagcaaag catgttgact 60
tacattgctt ctttagttct ttcagctggt gtttaaactg tacaaatttt tcattatttt 120
gaaagtctgc atcagaattc ttgctctgta aagccaaaaa tttcttctct accaataatt 180
ttaaatctgg tattttttct ggacgttctt ctttcacatg atttattgta gattgaacag 240
cctttacata atggttttagt tgccgatcca atgtagcaaa ttcaaccatt gccttgtcca 300
tactatattc actactcact tcagtctgac tttccacaag atccaaagca aactagaag 360
ctgtgtccat accagagttg atacaggctt ggaagttttt caaggaggag agagcagact 420
ctacaccact gaaggagatg aaaccagttg aacctgaatt tgaactggaa cgtcctggca 480
tcttgaaatt agtacctggg ccacccaaaac acagctggac tcaatatatg gggaaagtaa 540
gtgtcctcag tttttgg
```

<210> 95

<211> 252

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2493520T6

<220>

<221> unsure

<222> 3, 5, 8, 12, 15-16, 23, 25, 32, 50-51, 61, 63, 71, 73, 83, 85, 91, 157, 162-163, 167, 185, 195-196, 217, 221, 238, 246

<223> a, t, c, g, or other

<400> 95

```
aanantanca tnaannatat ctnanaacca anagtttacc atgtctatan ntatttgtaa 60
nanaacttat nanagtgtat ctnanaaaca ncccaaatta gggccagggt acgtgtccaa 120
taagcatttt tcaaactctc cctctgggtg tgtgcgnaca cnnatnagg ctctattaca 180
cacgnatcca agccnnggcc tcacacaatg ccacaanttt nctgtttgtg cgaaatgnct 240
```

atatanaata ca

252

&lt;210&gt; 96

&lt;211&gt; 423

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2514029T6

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 17, 23, 26, 29, 47, 53, 57, 60, 64, 92-93, 125, 130, 132, 134-135, 209, 226, 228, 255-256, 258, 273, 318, 337, 353, 384, 388, 390, 398, 400, 403, 417

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 96

ctcctggccc	gggaganagc	ggnggngngg	gcgccgtatc	aactgcngca	ganacanaan	60
cgcnegtcgt	tcagcgcagt	gttcatcgac	gnngcctcta	ggtccctgga	tcttggtctg	120
caggncgcan	gngnncttgg	ggcaatggtc	actccagtct	ccaaagtctc	cccagctcag	180
cccaggcccc	tcagttcct	cgccgtctna	acagcggaag	ctcacntngt	tcgctgctgt	240
gttgtcacccg	agggngngg	gtgcctccac	gcnagagca	aagccactag	gtaggcgccc	300
ccgcgacacc	acagcggtc	actccattcg	ccccagnttc	cagactggga	ctntaccacg	360
tgcgatttgc	ctaggacgtt	ccnccgcn	agtgcagncn	tgntccatt	cagtgcngtg	420
tcg						423

&lt;210&gt; 97

&lt;211&gt; 342

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2518676F6

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 35, 271

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 97

cgacagggag	ggatgcgcgc	ctgggtgtag	ttgtngggga	ggaagtggct	agctcagggc	60
ttcaggggac	agacagggag	agatgactga	gttagatgag	actagggggc	gggctggggg	120
tgcgagaagg	aagcttggca	aggagactag	gtctaggggg	accacagtgg	ggcaggctgc	180
atggaaaata	tccgcaggtc	ccccaggcag	aacagccacg	ctccaggcca	ggctgtccct	240
actgcctggt	ggagggggaa	cttgacctct	nggaaggcgc	cgctcttgca	taactgagcg	300
agccccgggtg	cgctggtctg	tgtggaagga	ggaagcaagg	ag		342

&lt;210&gt; 98

&lt;211&gt; 430

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

PA-0020 US

<223> Incyte ID No: 2545961F7

<220>

<221> unsure

<222> 124-125, 413

<223> a, t, c, g, or other

<400> 98

```
gcgggatctt caaccacctc gagcggctgc tggacgaaga aattagcaga gtacggaaag 60
acatgtacaa tgacacatta aatggcagta cagagaaaag gagtgcagaa ttgcctgatg 120
ctgnngggac ctattgttca gttacaagag aaactttatg tgcctgtaaa agaataccca 180
gattttaatt ttgttgggag aatccttggc cctagaggac ttacagccaa acaacttgaa 240
gcagaaaccg gatgtaaaat catggtccga ggcaaaggct caatgaggga taaaaaaaag 300
gaggagcaaa atagaggcaa gcccaattgg gagcatctaa atgaagattt acatgtacta 360
atcactgtgg aagatgctca gaacagagca gaaatcaaat tgaagagagc agntgaagaa 420
gtgaagaaat 430
```

<210> 99

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2547841T6

<220>

<221> unsure

<222> 261

<223> a, t, c, g, or other

<400> 99

```
tgctcagtcta catccaaatt tgctactaaa aataaaataa agtcacatcc cacattagga 60
ataccgaggt ctgaaaaaca ctttttgagc caagcctatt gtataaataa atgactagtt 120
tcttttcata tcaaaattcc cataaaaaat tacattcccc cctccccagt tctacctgta 180
gccatgatga atgtaaaaat ttaaatatga cacatccttg tcaaagaaaa ggtgcaaagt 240
ctattaacag ctttaaaagt ngcatttgca gagtgtgatc atacagttat gtactcattc 300
ccaaagtgca aatattgcca taatttaaca ctgttttgat tcagttgcaa gaattaaaca 360
ttacacagga ttgaaaagta caccagggc ctctatcagt gccctaaagc ctttccact 420
ttggtctcct tcaactaaagc agactccaaa gtgttcacat gagtttagtt tacttcacac 480
agcccagcga agtatacaac attat 505
```

<210> 100

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2578906T6

<220>

<221> unsure

<222> 268, 290-291

<223> a, t, c, g, or other

```

<400> 100
acttttttct ttcaacttcc ataacaaaat acagagctat cagatacccc tggaaaaaat 60
atgtatatta tacatatatt tctataacat tacatcatat atatataata tatatgcaaa 120
aatttgaaga ctttatagaa agcggaacat ctaaaaggca ctgcacaatg gagttaagat 180
tacttacatt ttatgtacat atacacactt tactctgctc aagcaggtaa ctagtgaagt 240
cacctttcac atgtaaatgt ctcattcnca aatccctgca tcacaattcn nta 293

```

```

<210> 101
<211> 527
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte ID No: 2591681T6

```

```

<220>
<221> unsure
<222> 178, 220, 231, 253, 274, 415, 421, 442
<223> a, t, c, g, or other

```

```

<400> 101
aatgtgtaag ttaatgtctg gaaagatggt ttgaacagga tgcaggaatt agaaggcaca 60
gaaatgataa tataaaaatt tagatcatat atgaattttt tctaaatggt caagctaatt 120
gctttcatta gtcatcctga actgctgcag gtttcatttc ccaccaggac agctgtgnct 180
tttaaagtaa aaatagtcatt ttgtattaac tataaggaan aagtggcttc ngctggaaga 240
acttaccaac cgnaacactc ttgagcttat aganataact ttggttaagt gcctctctta 300
aaaaggctgc tgaaagctct aaaatataag gataaaacat acggtttcag actgtacact 360
ttgctgctac aaactacatc ttgatgggat taagaggcta cattgattct tgggnattatt 420
ncaccaacaa tccatctctg anctacccat gggctgcac tggacaagg taaactccaa 480
gaataaatgg aacagtgggt ccctaaagca ctcttcccaa caagcaa 527

```

```

<210> 102
<211> 409
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte ID No: 2591814T6

```

```

<220>
<221> unsure
<222> 271-272, 390
<223> a, t, c, g, or other

```

```

<400> 102
aacggccatc tcaactgttca catatatata cgtatgtaca ggaagaacct agtgtttcta 60
gctttcccg gagaaggccc tgccagccca gagtccttag tcggataatg tatcacagat 120
acaacagtcg agcaaccacg agagcggttag tgcgacagag gcctctgtcc tccctcttct 180
caaagtcca tgattctgtc aaggtaatat tgccaataat cattcacatt tcactgggtt 240
ttagacacgc aggttattca gacagacaca nngccaaaac aagcctcaa gccagaacaa 300
aacaaaacaa aacaaaatcg aacataggta taaaaggtaa aatatatgta caaagtacac 360
agtacgtgag gtatacacgg cattctcaen atgcatgtta gtagtttgc 409

```

```

<210> 103

```

PA-0020 US

<211> 397  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2601127T6

<400> 103  
ttctggaatt ttcagaaaca aaacataaaa aaattatata ctttattaca aatggtaaac 60  
tcagagtgtc ccaaattctt tatttacaaa caacactggg caggatacc aaacaaacaa 120  
acaagaaata acttacaaa gcatgaagct gtttattgac agtaatcagc tttcatcaaa 180  
ttaaaaaata tatatatgta catacacagt taacgaaggc aggccagaaa gagttcatct 240  
gtaggctcag cctcgctctc acaaacctcc ctctgcgcgc ccctctctca caggcccatg 300  
cctggttagc tctgacacca gctgaatagg aagcacggca agtttgagac tctcttgcac 360  
aaaccataag cctcagtgtc aggacatgt gctgtga 397

<210> 104  
<211> 509  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2603774T6

<220>  
<221> unsure  
<222> 334, 370  
<223> a, t, c, g, or other

<400> 104  
acacagtaca caggaggcaa agtggtttcac atcatagact tcacttccaa ctcccttgga 60  
tggtcatttc tttggcttac aggagagact agacaggaag gccaggcaat gcttaggcaa 120  
ctaaaatgag gttgggggta atgctaactg caccctcaca gggatggcca cggggactgt 180  
tattcgcaag ctggttttct agacctgtta gctggaagca tggtagcac catttctgga 240  
cgctcaggcc gtgtcgggct tcagtcactc ccaccacaca ggtacagcag cgctttctgg 300  
tagtcgccct tagtgtcttg ctacaatggc ccangaaaga aaagaaactg ggtatcagaa 360  
aaaagcccan actcctcaat aacacagaag tagcctcaac gcacaatgaa agcttctccc 420  
atgacaaaga gaagactctg caggagacct gccctaatac aaaggcctgg aaggccagca 480  
cccaaaccat tgccaggga gcttccag 509

<210> 105  
<211> 497  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2630834F6

<220>  
<221> unsure  
<222> 8, 17, 35, 68, 195, 209, 212, 216, 224  
<223> a, t, c, g, or other

PA-0020 US

<400> 105

```
gcgggacngg gaggtgntag atgtagaatg aaaantcata tatttatgag agagggttatt 60
ttaatggntg aattatttgt gtcacagctc agcttttttg aagacaaact caaacaccta 120
taatttcatt tatatttcta attcacttgg aacctttctg ctttatggta cctagaaaaa 180
gataatttgt gtaanccaaa acttctaana tnaatngctt aatncttgaa atatgttatt 240
ggaaaatttt aagcagtgtc taaacaccat taaattatta tgaacttgta attcagaatt 300
gagtaaagaa atattttttc tagtccttca tatattgaaa acttgccaca tgacattgta 360
tcgtcttcat tttccagaag atgcgttggg gtgccatagg gttctaactt ccttgaaaaa 420
aggtttttaa gtcaattgta aatatacgta ttattgttaa aaagtaactt taaactgcc 480
cacatagctt tcaaaca 497
```

<210> 106

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2655030T6

<220>

<221> unsure

<222> 71, 81, 88, 118, 126, 168, 203, 205-207, 211, 288, 408, 430

<223> a, t, c, g, or other

<400> 106

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tttaaaaaaa gaaaacctag gcaacacaga catatatata aaacatcagt ttcaaatttc 60
ttccaagttt ncttttaaat ncaggttnaa aaagcagatc aactctagat attgtagncc 120
aactanataa gaaatactga aactaacttt cctttaagaa atcttaanga ggcacacttt 180
ctagtgggtg aacactcctc canannnaac ntagtaagaa ggtaagggtg tgaacagcaa 240
agttgtgtaa cattttctta tttctataat tttacttatt ctggatantt ttagaaaaata 300
aactcatgtt ttaactaaga ctgttaacca agtacaaaac tatttggtgt tgcatttgca 360
gatacagtat cctacaaata tgtgcagcaa gcccatgaag cacttcncc gtcgatactg 420
atatttcagn atttaataa 440
```

<210> 107

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2672695T6

<400> 107

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gtgttgctac actcaattac aattaaggat gcagtatatc acctaaaaat cccattaaag 60
atgctatttg agtaacagta aaaatataca gttatatctt accacaatac ccatttaaaa 120
gttagtttcc tacatgtgtc ctttggccta aaaagttcaa aacgaattca aattaatttg 180
ttatttacga tttcactaat tcaagacttc atttaaaaaa attgcttatt tagtgtaaaa 240
gtctgagata aactgtaaac atattttaata agttacatat ggtaacaat catatttggc 300
acctaaatat acatgtttta ttcctaacac atcaagttta tcctgacaaa caaatttaca 360
aaaaacagta ataaagcaaa tatctgagag ataatactgc atctttaaca gtaactgtgt 420
acttctgttt aaatgtagaa tgtatagaaa atctgttgtg aatgaagtat gcacagttta 480
tcaatttttt aaaaaaccaa aaccaaaaaa 510
```

<210> 108

PA-0020 US

<211> 575  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2693989T6

<220>  
<221> unsure  
<222> 67, 91, 102, 114, 120, 128, 148, 159, 175, 189, 195, 204, 206, 214, 231, 236, 251, 276, 359, 369, 390, 400, 414, 428, 433, 471, 477, 487, 501-502, 516, 536-538, 546, 553, 568  
<223> a, t, c, g, or other

<400> 108  
catggtagaa aaaaaacctg gaaagtcatt atactataca ttgagtgaca atcttccatc 60  
gcagagnttc aggggagaat tgtgagaaga ncccatgagg antacagaca tttnatcttn 120  
ggggaganat cttctggagc tgtgcttntc cttcatgcnt tctggtggtt gtttntcttc 180  
caggaagana gctanatcca gggnancccc agantgcatt gaaaggcatg nttcanacct 240  
atgctaata nggctgattt cgcagtggct tggcanagct gtagcacata ccatgttgga 300  
ttgtaaactg acctggcact cactggcact tgggatatgt gtgttgaatg aatgtacana 360  
gcagagaant acttagaaag tatggaaggn gccattcagn ttccagagac taanctccag 420  
gtcatganct ctnatcacag aggtgtctaa accctcgcta gccatggtta nctcagngtc 480  
tttgtgncac catttataat nntccaagag tatttntgct gtatagaaaa atggcnnnta 540  
ggggtnnggag gtntgcaaga agaagatntg cttat 575

<210> 109  
<211> 237  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2718743F6

<220>  
<221> unsure  
<222> 191, 213, 216, 232, 236  
<223> a, t, c, g, or other

<400> 109  
gataaatatt tgctgatgat aagacaaaaa tatacacgtc tattaagagg tctgcaatgt 60  
ctgaacacag tgagggagaa aaatccttag agaaggtcgc ttaatctcaa ttacccaaag 120  
tcattgcttg gcagaatata tgtggtctat tatccttagt gaagtgcacag gcttgagaa 180  
gcagggaaat ntggggacca tgtgtgctat atnaancaag gactgggtcac cntccna 237

<210> 110  
<211> 239  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2721122H1

PA-0020 US

<400> 110  
aaacgacagc cctgggggca actcttgtga cctcctgcc caggctccca gcaccatgac 60  
ggtttcatat actctcaaag tggcggaggc ccgcttcgga ggtttctctg gcctgcttct 120  
ccgctggagg ggaagcatct acaagctcct ctacaaggaa ttcctcctct ttggggcctt 180  
gtacgctgtg cttagcatca cctaccggct gctgctgacc caggagcaga ggtacgtgt 239

<210> 111  
<211> 474  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2735638T6

<220>  
<221> unsure  
<222> 457  
<223> a, t, c, g, or other

<400> 111  
aaagtgcata tagagtggcc acagggttga cacagagacc ttggtgatgt aggctatgaa 60  
caaattttaa tggcaacttc attgctgcca ctgaaccaat cctgaatttg ggctcaacag 120  
gtgaaaagta acaatatcaa acgaatacta aacagcataa caaaaagatt ttcagactct 180  
tggtcataaa gaccgtaatc gttcacattg aatcaatgac taaacatttt tgattacca 240  
gctacctcca agcaaactga aaactgtcta gtggatcctg aagtccatag tgcctctagc 300  
cgggtctttc aagtgttgca ccacaggggtg atgattgatg gtaaaaacag ggatcaaccc 360  
ttgtagatcg gtggtaagta tggaaaccct ctaagaacag tgcagcgtat gtgggtattc 420  
agactgggtg catacagcat tcaaaaccag tgctggnata gcttgcccaa agtg 474

<210> 112  
<211> 443  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2739124T6

<220>  
<221> unsure  
<222> 403, 437  
<223> a, t, c, g, or other

<400> 112  
ttagatatgc aaagcaatgc agataccaaa atatgctttc caagtgtttt tggctgagtt 60  
tgtctctttc agcagttctg accctaagat acatacttat atggaaaaag ctatggataa 120  
aaataaataa aatacatctt aatcatcaat atatagacaa aattgaatag aaaaaagtaa 180  
gaacattata aagcatgaaa atttacataa aattattcct gaatgtgagg gttgaaagac 240  
tctagaggcc tgaaatctat ttgaaagaga aactttcaag aaaaggaaaa aagcattcct 300  
ctacttagaa tagatatgct atgatctgat tctgaagcaa tgggattgaa ctgaatgata 360  
tatgaggttc ttccatggcc cactgattta gatgatagca gtnaaaaata tattagttaa 420  
aatcatttaa tactggnaaa gaa 443

<210> 113  
<211> 452

PA-0020 US

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2747213T6

<220>  
<221> unsure  
<222> 377  
<223> a, t, c, g, or other

<400> 113  
ataatttttaa gaggtaataa atgcatgtcc atatccattc ttacctggcc tagaacaatc 60  
aattggctat aagtcctttg actcataagg ccttcagcca tagggagtcc catggaagta 120  
taggatggac ccgagatggg gagccatgcc accctagcaa cgctgtggga caaaattaaa 180  
atttgcctgt ttttgatgtt gcctctggca aatcttggcc agaaggggaa gaacgtaaat 240  
gaaaatgaaa attcgaaggc cccccacaaac tatctgaatg gacttcctct tcctccaggg 300  
ttcaggccat gatggaaaagt gggaggtggg acatgcttca ttatacctct ctggcattaa 360  
cattcacagt ctattcncct tgaagcttgc tacctggatg tttcatctgc atgataaaaat 420  
cccaggtctt cagacaaaact caactaattg tc 452

<210> 114  
<211> 225  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2752482R6

<400> 114  
cccaaactctg tgtaaaatct gctgcaaagg tgtcatccct cttgtgtcat cactgggggt 60  
agaggtgggt ccgaaataat cttctgtgtc cttcagttgg actctcggct gccaatgat 120  
ctctttttca ttgccatctc tgggtgtgtt ctttggtttt ttgtgtgttt tccccctcat 180  
ctctacctgt gaaagtgaaa ttctattgta aaaaaaagaa aaaag 225

<210> 115  
<211> 458  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2757678R6

<220>  
<221> unsure  
<222> 134, 427  
<223> a, t, c, g, or other

<400> 115  
ctccagtctt cactgtgggt gtgccccaca gtggctcctca ggttggccag tggagaagga 60  
agctctgggt ctcaagtgtga tgcattcccc aggttgggtcc tgagatgagg taaattctgg 120  
tcactactgt gaantgccct cgggggtctc cgggtcctga gtagaagcaa ggtctgtttg 180  
tcactgtgga ttccccctg ccaagggtcc ccaggtcagt cctgaggaga aggcagctca 240

```

gtctttactg tgatgcagcc tctagtgtc cccaggctct gagtagaagg aaggcctggt 300
cctctgtgga ttcaaccag aggtctgtga gcagaatgca ggtactgcaa gcaggctaga 360
caagggtgtg gcttgcaccc cttccttact acctaggcac agtggttgat ggtcagtgct 420
tcctgtntgt gatggccatg tgccccctct tgcaagtc 458

```

<210> 116  
 <211> 461  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2765789T6

<220>  
 <221> unsure  
 <222> 5, 24, 55, 69, 81, 193, 195, 204, 216, 223, 233, 250, 262, 267, 294,  
 333, 345, 386, 395, 453  
 <223> a, t, c, g, or other

```

<400> 116
gaaancagcc tttgtgtgat attncaaaca tttataagcc ttttagagat tcttncaaag 60
aacactgtna acaactcaac nacttttcat taaaatatca cacacaaaga aacacaatag 120
gagttgaaaa aattataaat gctagaagaa aaattctaata aacatttggt gggtacttta 180
cacatttatt tancncatat aaanccaaat gggaanccat ttnccttttt ttncataaaa 240
acaaagtttn cactgggttaa anctgancta aaatcatttt atgtatgagg agancaaatc 300
taaattactt ccattttgaa aaaacaaaca ccngcttatt cattnctatt cattcaagtc 360
ataggcccca ttatttggat gatacnctat ttagnctaga agccagaaaa ggaaacatct 420
ccatctaata aagaagtctg gacaatgcaa aangtaaaag t 461

```

<210> 117  
 <211> 509  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2784742T6

<220>  
 <221> unsure  
 <222> 57-58, 82, 91, 103-104, 114, 132, 134, 149, 161, 173-175, 181, 207, 211,  
 242, 259, 263, 265, 274, 321, 327, 329, 349, 354, 358, 367, 377, 452, 469,  
 473, 495, 504  
 <223> a, t, c, g, or other

```

<400> 117
tttgaggatg acatctagaa cgcaccttgc tctgagactc ctcaataatc aaattgnntt 60
agaccaacaa tactgctaag tnttaaaagc ngtgaagcaa agnnaacgca tcanatagta 120
caggggcac tnanagagct tccactganc tccccaatgg nttctatgca atnnncctct 180
nttcataaac tgtattaaca actaccngga naggaagat gagattaaaa ataatgatac 240
tnaactgaat tgttttaanc cantncccca tatnttggga aaaattcatt tagttcaaca 300
gcaatacaac acaatgtgaa natattntnc ttagacacag atattccana attnaaanat 360
ttacaangca agtcaanata taaaaccata gtacactgtt aaataacctt taaacataca 420
tacattgcag ttttcaaata aagacattca tntcattgta caaggatang aanaaatcct 480
taaaattacc tactntagtt tatnatata 509

```

PA-0020 US

<210> 118  
<211> 510  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2786881F6

<220>  
<221> unsure  
<222> 485  
<223> a, t, c, g, or other

<400> 118  
gattggtcat ttagaaacta gccaaaagtg agacttttaa tgtagaacat ttttcagaaa 60  
tgggtacaaa gaaaaatgca tattactgta ttttcagag tgtttatgtg aaccttgat 120  
ttaattgaga gtcccatgta cgttctgcag ccttttgct gcttctatca tctgaagttt 180  
gtgtagtaca aataaggcct ttgggattct taatgacatt tatgttaaaa tgttctcttc 240  
tctttaaaca cgtttttcca atccacctgt cagggagtcc aaatcgtgtc tgtgttgatg 300  
atgctatact ttgtagctag aaaaacaatt ttagtgttgt gggctctgta ttcagacttc 360  
ctttttacaa gaccgatggg cagtgataga ttattttatc atatttaatg catgggaaat 420  
agtgtgctga ggaagctatt aaaagtataa ctcagtgaat tgggtctgag ttttaaatga 480  
gatanttcaa aattggcctt ccactgtaaa 510

<210> 119  
<211> 552  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2790863T6

<400> 119  
aatacaattg cttttaaaat gtagcaaaga gtcatttact actctcagaa gtggcacata 60  
catggcatag aaaacaatct atagtcagtt aactattaaa acagaaactt gaaatttaag 120  
tgacaaacat ttgtagcact ccctaaagaa ataggaaata aaaatgcatt tatccatag 180  
aacttgatta ttctgaatta ctgactataa aaaggctatt gtgaaagata tcacactttg 240  
aaacagcaaa tgaattttca attttacatt taattataag accacaataa aaagttgaac 300  
atgcgcatat ctatgcattt cacagaagat tagtaaaact gatggcaact tcagaattat 360  
ttcatgaagg gtacaaacag tctttaccac aattttccca tggctttatc cttcaaaaata 420  
aaattccaca cactatcaaa ctaaatacaag atttgctagt ggataaaatt accataaata 480  
taccgtactc tctctgaaac agctacaaac atcttgtttt tgcaaaatat acaatggttc 540  
tcaatctttc tg 552

<210> 120  
<211> 518  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2799276T6

<220>

PA-0020 US

<221> unsure  
<222> 422  
<223> a, t, c, g, or other

<400> 120  
ttggagtctg tgggaatccgg gcggcgggtgc tgctgagagg agtggaatgg gaaagcatgg 60  
actccctttg ggcagggggg cctgacctca cacctcctcc cagaggggtcc ctcacaaatc 120  
ccacgagggg gttggagaaa gcaggctggg gctctagcct tttgggcagg agtctcggac 180  
acaggaaggt ggtaatgggg taccacagga aacagcccca tgcctccgag atgggagagg 240  
ggctggggca gagcctgtga gggccacagc aggttcagag ctgcctcctc agacctggcg 300  
tcccagtggg aggaggtggc ttggggaggg gggtcaggag aagccaaccc gaagcaccgt 360  
ctgggtgtgt gttccattgt gggctctctc ggcattaggg gttagggttt gcataggaaa 420  
antggctcag tgttcattgt ttgggttctg ccagcaactg ggccactgcc aggggaagccc 480  
gactctgcat ccaggtgatg ccaacacatc ctctcgaa 518

<210> 121  
<211> 536  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2801448F6

<220>  
<221> unsure  
<222> 185  
<223> a, t, c, g, or other

<400> 121  
aaagccataa aaataagaaa ctcagcctgt ggcctttctt tcttccaagg ctgggcttct 60  
ttttttaagt gacttcatgc agtttggtgc ttttaaaaat ttgtccagaa tcgttttctg 120  
cagaagcatg gtctgttagg agcttactgg ccgtagcaga agcaattgtt tcctgaattc 180  
ttganattta tctttgctgt attcatttag ggcttgggag agtccgaaga taattcagtc 240  
actgtcagat taataattct gtcaggacaa agaataccgt tatgattatt taatccttta 300  
aaattgtggg ctccagagct tgtttctcaga atggcccaga ccaagcctta attgtgatag 360  
tgaatattaa tggtcacttt aaggagaaat tatagtccaa gatgaaatga acataaacct 420  
gtttgccctg gctttcagtg gaagatgata ttagagacca aaatctgggt ctgaagggtg 480  
gtatcagccc taaggtgaac cagacttggg aaagattgtc ttaaaaatca atgagt 536

<210> 122  
<211> 463  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2827489F7

<220>  
<221> unsure  
<222> 419, 425  
<223> a, t, c, g, or other

<400> 122  
aaagaaaaat tagataatat caatagccca tcttctaaca cattgcctag ctcattactt 60

66507F = 2425460

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tcaatacata ttttccaaac taaaaattaa aatctcaact ctttaagaga agtttcgtaa 120  
ttttgtagta taagagatta tcctggcaat atagttttta tgccaatata ttgaaactta 180  
catgacattt cagtgggttt gcagtgtttt cccaagtatg gtacctttac cactgaaggt 240  
acacagtgat ttctgggtgt taaacagatg aacatttttt attttaatag ctatacaata 300  
taaccagcaa ataaaatcca tgttttcatg gatattattg cttagagtta gttaagtttt 360  
aaaatgtgat tttaaaggaaa atattaagta ctagtacaag agatacccag tatgacagna 420  
aatgnatagt ggaagggcaa aagacaagtt taaggaaatg ctg 463

<210> 123

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2833430F6

<220>

<221> unsure

<222> 5-6, 15, 23, 27-28, 39, 74, 159, 198, 264, 266, 282, 319

<223> a, t, c, g, or other

<400> 123

aaggnnactg aaganactga aanagannag agtttgtanc tgaaaaagaa tagggatagc 60  
aaggaaaccc aganctgcat tcccctaagt ggggccatcc catgtgattg aattgtccat 120  
agcttgcccta tggtagagaaa tgtgcatgct ccgtgagcng gtctcttgaa acaggactta 180  
tgcttcctct atattctngt taaattttcc aaacacataa gttcactgag cacagatttc 240  
ttatccagag acaagtagaa tctnancgca gactgttggc anagtttcca ggcacttagc 300  
catgttcctt tcctgactna aatccccaa 329

<210> 124

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2833844T6

<220>

<221> unsure

<222> 77, 105, 116, 142, 149, 152-153, 158, 165, 178, 189, 192, 194, 197, 199,  
208, 221, 256, 304, 311-313, 319, 338, 344, 383-384, 392, 400

<223> a, t, c, g, or other

<400> 124

gctgagcatt cggtcacta acctgagtca tatccggcac tggtttctct agaaagggct 60  
ccgacgggga atgctgntga caggcacttt ctgcgggggtg ttctnngggtt attggngggag 120  
ctgtgcccaa ggtggtgatg ancggtgtng anntgaanac tggtngtgca agcccagntg 180  
aggctgcant gnanganang ttggcaantg ctgaaaacat ngcttttgac caggatgttc 240  
attggccagg tatcantcgt tcctggattg cttgtcggtc tccaaggcca acaccaggac 300  
aacnatttag nnnatgtnc ccagtcaatt cccttgnggc cgangacatg cctataaatg 360  
gacgagactg ctgcatgttt cttnnggccat antcctctgn ccgattccca 410

<210> 125

<211> 250

PA-0020 US

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2835032T6

<400> 125

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cctgaagatg caggtttctc tttggtatca tttttcttca gtttaaataa cttccttcag 60
catatctcat agagcaatcc cattgctcat gaattatatt atctgagaat gtctttatatt 120
caccttcacc catgaagaat attttctactg gatataaaat tctgagttga cagggtctttt 180
cttccaatgt gttaaaggca ccattccact aaattcttcc aaggattgtg atgagaagtg 240
catgggtaca                                     250
```

<210> 126

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2838139F6

<400> 126

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ggggagaggg gctggatggc cgaggccgga acgggccctg ggggtgcgggt taggaccgac 60
gtacctagca gcactggccc tcggacggtc cctgacccca cctcggggcg ggcgcacatg 120
agctgcttcc caccagga aagctggggg gctggcccg gcccctcgaa gagggcttag 180
gaggacggaa gctggccaga gatgaagggg ttttggcctg ggtgtgagtg acaaggaact 240
ggtgccagcc cctccctccc cggcactgag gcgtccgtgg gggctagatt attcctcctt 300
ttcttccaag ctgtcctgaa tccccacgaa ggccttggt cagctcttcc caccacaggc 360
acaccagg                                     368
```

<210> 127

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2838241T6

<220>

<221> unsure

<222> 179, 362, 411, 413, 428, 452

<223> a, t, c, g, or other

<400> 127

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ttcatacata tccattatca gtgccttgaa aaccaaaciaa ctttaaaagt tagcagcagt 60
ttctgcaagt acaaaaatac acatttatta cataacatat ggtagtaaaa tttgtcaaga 120
tatattatata aaactcaaag catttttagat aaagcatcag tctaataatat tatagattna 180
tggagtataa taaaatgaca tatagtctgt cttcaaatca tacaatataa tacttttacag 240
caatattaac aaactattca cattaagaat tacaggagta tctaagggaa cacagatagt 300
aggaatgggt attaaaaaac ctcagcaact attttcttct atgcttcaaa ttgggtgaat 360
gnttttttac ctgctaacat gaaaaaaaaa aaaaggcaat ttcttccaga nanacactcc 420
aagccgtnaa gagcttcatt cacatcttgc angtctgact gaccagtagt atgccctaag 480
ggaaag                                     486
```

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<210> 128  
<211> 556  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2838993T6

<220>  
<221> unsure  
<222> 2  
<223> a, t, c, g, or other

<400> 128  
tnttatcagg aattcttcaa tggcattctt gtaatactat ttagttcatt tttataatta 60  
cttcctaaga gacaaattgt cctagaagtg gggggtttct gagtaagaca ctggcatgcc 120  
tggcaacatg caagaccttg tgcttcaata cttggaagaa gcacaaatta ctaagatata 180  
attgctgctt ttgtattgct tataattcaa caggggaaat aaaagtaagt caaaggtaga 240  
gcatgacaaa gacttctaga gaagtacagg tgataaccct gggagttccc aagaattcat 300  
aggagctctg ggtgtgaatg aatgtcctct cgtcatgtgt atgccttaca gattagagtc 360  
tgttgatgtt ggggtctaaag ggtactaatg gagcaaggct gtcctcttac tgatagcagg 420  
gcattatggc taatatttcg gaagtgaat aaatccttct gtcaagaagg catagaaaac 480  
aaagcagcaa gtccaaggta aggttttaac ctcttagctc ttcttccttg gggcagaata 540  
cccacagtca tagttg 556

<210> 129  
<211> 289  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2849791H1

<220>  
<221> unsure  
<222> 116, 120, 128, 164, 179  
<223> a, t, c, g, or other

<400> 129  
gctgtgtggc cttttctctc ctgtgggcag gtccagtgat tgctgggatc acccaggcac 60  
caacatctca gatcctggca gcaggacggc gcatgacact gagatgtacc cagggnatgn 120  
ggcacaangg cccgtacggg aaaggacaga ataggcgagg ggcnggctca ccataatcna 180  
tacgcagtac atggcaaaga gaatccctga tggttatagt gtctccagag caaacacaga 240  
tgatttcccc tcacgttggc gtctgtgtga cctctcagac atctgtgta 289

<210> 130  
<211> 505  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2858295T6

PA-0020 US

<220>  
<221> unsure  
<222> 452, 501  
<223> a, t, c, g, or other

<400> 130  
aaaatgaaca agttcaatca aaaacatccc aatggaaaaa aatcacacta agaataaaac 60  
acttacagaa cggcaagaaa actgggttaa catataaatt tgtgtctgtt gaaaccagag 120  
tacaatgctag aaaacattaa cacagatacg acagagtgtg gttttttttt agaaatgggt 180  
aattttctctc tccagtatcc ttctacttgt atgagatatt tctcctctcc tgttttcaca 240  
aaccaagaaa tccccaggta ggccaatccc agagggtgcca tttagcagta tgcagcagcc 300  
cagtttcagc ataacaaaac atgccttggg agtggctctc tcatgcaaataaaaagaaagc 360  
ttaagaaatt cttgtttagt gtggattagg caaggctgcc attcagctgg tataagctaa 420  
aagtaaaaaa tcaaaacgct caagaaaacg gncacaattt tggaatgtta aagatgtcct 480  
tataaagttt ttttcaagac ntcac 505

<210> 131  
<211> 380  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2932975R6

<400> 131  
gcagggacaa gttacaggaa tggtctccaa gcagcaatcc aaaagagtct caaggatcct 60  
tcaaataact tcagggtgag tctggagaaa acatatggaa tcccagcatg aaaccgtttc 120  
agagttctaa taaaaatatg catattctca cagcatgtac tttatttaataatctgaaaaa 180  
attgtgatag aaatgtgtat ttgttttaaa aacgtgtaac ttcttatatt tcaaagctaa 240  
tacaatgttca ttgagatatt tggagactat agagaaaagat aaaagaaaat aaatcaccta 300  
tattccacta tccaaaagaca accactgtta gtattttggg atatttcctt ctgactcctt 360  
ttttatgtgg gtttgactg 380

<210> 132  
<211> 392  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2965657T6

<220>  
<221> unsure  
<222> 7, 36, 70, 100, 127, 147, 160, 165, 177, 186, 192-193, 199, 220,  
228-229, 235-236, 240, 258, 261, 267, 271, 273, 281, 283, 285, 289, 297, 300,  
308, 312, 317, 322, 324, 342, 348, 361, 363, 376, 385, 391  
<223> a, t, c, g, or other

<400> 132  
aaagatnadc acaacaaaat atacactaac ttaaanaaca aaagattata gtgacataaa 60  
atgttatatn ctctttttta gtgggtaaaa gtattttgtn tgcgtctaca taaatttcta 120  
ttcatngag aataacaaat attaaantac agtgatagtn tgcanttctt ctatagnatg 180  
aacatngaca tnnccctgna gcttttagtt tacagggagn ttccatgnng ccacnnactn 240  
aactaattat ccaacacntc ngttatntcc ngntcacaat ngntncaent tccacnactn 300

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aactgagnaa gnagcanttc angntctcct tcatttttgct anaaagcntt ttttcttttg 360  
ncnaaatgcc aagtngnaaa ttgtnttttt nc 392

<210> 133  
<211> 298  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2967286T6

<220>  
<221> unsure  
<222> 28, 35, 69, 94, 184, 201, 229, 239, 252, 260, 265, 284  
<223> a, t, c, g, or other

<400> 133  
gtcacttcca aaggccctc agaacganca acagntgaaa cccgcggggc ggactccgtg 60  
ttgaaccgng gacagcggca accacagcag cganacggac ctgtgctttc caccaagaac 120  
agattccgca gcgggacagc agtcactttg cagtggtagt aatttattcc ccacacaaaa 180  
cacnccagct aaatgccctt naaccgggc caaggaattc tggaagtgt ctaaaagtna 240  
aaatccaata tnaaccatan atttngtggt ttcaatcaaa cagnactctt ctaaatca 298

<210> 134  
<211> 473  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2994210T6

<220>  
<221> unsure  
<222> 66, 202, 286, 292, 359, 374, 381, 396, 435, 442-443  
<223> a, t, c, g, or other

<400> 134  
accgaggcat agttctgacc aggtactatg tctgcagggc ttttgaaatt aaagaaacag 60  
tccagnaggg ctccagtcag acccagaatg acaccagcca cacttgtagc tggcagagat 120  
aacctctttg atcttcagca attttaaaag ttcttcatcc taatttctga gtatcataaa 180  
aagtaaaaag tactttcatt tnatttttcc tttgaaaatg tttttagtgg caaacaggagc 240  
tacttgtttt ccttacttca tttttataag catagtagtt atatgncaat tnaacttaaaa 300  
ttagagaggg aaaccccgaga gacctgagtg gcactgccca tccactgaag gcccatna 360  
ataggtactc atgntcatgt natcacgtct acaaanagca ataaaatgat gtccgtaaata 420  
cggaagtaca gcagnagcag tnnatacata tctgatatgc tttcacacca gga 473

<210> 135  
<211> 435  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2996094F6

PA-0020 US

<220>

<221> unsure

<222> 378

<223> a, t, c, g, or other

<400> 135

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gtcacaaaga gcttcaacag gggagacagc caccctcttg tgcagggccg gccagccttt 60
gcccggcacc gcccttgccct gggttcaaaa gcagcctgcc cagcctccca ggctcctcgt 120
ctacgggtgca tccgttaggg cccctggcgt cccagacaga ttccgtggca gtgggtctgg 180
ggcagacttc actctcacta tcgacagact ggaccctgaa gattttgcga tgtatttttg 240
ttttcaatat gagtctttac ctcacacctt tggccagggg acaggctgga catcaaacga 300
actgtggctg caccatctgt cttcatcttc ccgccatctg atgagcagtt gaaatctgga 360
actgcctctg ttgtgtgnct gctgaataac ttctatcccc agagagggcc aaagtacagt 420
ggaaggtgga taacg 435
```

<210> 136

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3000067T6

<220>

<221> unsure

<222> 217, 232, 287, 329, 344, 353, 366, 414, 443, 459, 466, 471, 479, 483, 485, 487, 495, 531, 535

<223> a, t, c, g, or other

<400> 136

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taagacagag tgcactaaat ttaacttttag aaaaaattag ccgttggtcc tgaattgttt 60
ttgttttgct tttcattcaa cgatatcaac ttgtaacttg tgtcacttga gttttaattc 120
agcagtaaat cacctccact ccatatctaa gcagcggtgt cccaaaaaca aaaggggctg 180
aggataattc agctaattgga tgtccaaggt tgtgctnggt ttatttcttc anttgattgg 240
gtcttatggc atttcatatc ctctatcttc aaccagaatt tttttntttt ttacttaaaag 300
taaatgtggc tttgttagtt tctaaagant gtacttttct tgtnttactt ttntaaaaag 360
tctttncatt tcaaaaaaaaa agttttgcat ttgtctcaag agactcaaat aggnagatca 420
gttttcaagg cactcacatc aanttgaatg gcagtagana aactgnccta naaattatna 480
ttntntnttg tgctntatag gtgccaggta ttgtgaatgc cacgcttagc natantggac 540
actcaatctc agctgtcccc ttacagttta acccacctct 580
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<210> 137

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3116117T6

<220>

<221> unsure

<222> 80, 82, 130, 244, 263, 277, 291, 303, 318, 327, 343, 358, 372

<223> a, t, c, g, or other

PA-0020 US

<400> 137  
tccatatttc aaatgcatta atgtgggtcat gaaaaaagta atcagataga tgtttaatatag 60  
ttaagcattg tccatttgan tngcagagca cccaccctt cattcattcc ttcaaccaac 120  
tactcaagtn aagaacatgc ttacttgta ctggttggtc ctggttgcaa gacatcggac 180  
tgtaactttg gaaagaaccc ctgctcatat ttgccttgac caattttcat atcaagtaga 240  
tgtnggtgga ttgcagtgtg atncattttc atcagtnctt gctcaattga ntgggctgct 300  
tcntttaaag tgctgcantt ctgatanata gatgtccgca agnggggtgcc cttacgtnat 360  
acagccttat cntatcaa 378

<210> 138  
<211> 354  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3119119F6

<220>  
<221> unsure  
<222> 49  
<223> a, t, c, g, or other

<400> 138  
gaaattctta acatcatcaa aaagttaaat ttgttttcaa taatttgtn gggggaaact 60  
tagataaaat taactaacac cttgcattac agaattctca gtcattgctt catgggctcag 120  
acctgaccag agactgtttc tgccaagttg agatctcccg cgagaaaaca tccaaaagtt 180  
ttgtcattat ctacctattg ctcggaagt gtttattctg cctgctaacc actcaciaac 240  
tttgatatga taacaaagac taactgctgc ttacaaatgc tcgtttgata ttttaacttg 300  
tattttctat tcaggggcaa ataactatct tgaaaatggt tgtaattct cagc 354

<210> 139  
<211> 447  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3151807R6

<400> 139  
gtgctcaccg tgagcggctg gtacctgtcc cctgggaact gcaagatgca caggaccttg 60  
tgtacctgtt tgtgatcaca gccgaggacc agcgaggtag cattaccaca tccacacagg 120  
gcttttacca taaccgcccc agtactggaa cgaggagctg cagatgatga gggacctacc 180  
caacaagaac caacctgagc agctgcttca agaaaaagcc atgttcaagg tgcctgaatc 240  
ccctggtaag tgagtgcag cctcacagcc tcaggcccac ctggctcctg ctggaaggtt 300  
ttcttggtgct cgggagagaa gtgaggggaag cgggcagtc cagccctgtc aggtgccctg 360  
aaggcccgtc aggtttgccc tgcaaggcct tctagcattc tgcttcctgg gagaccatcc 420  
cccacctttc tccggcctct gagactt 447

<210> 140  
<211> 195  
<212> DNA  
<213> Homo sapiens

<220>

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<221> misc\_feature  
<223> Incyte ID No: 3208407H1

<220>  
<221> unsure  
<222> 105, 110, 113, 119-120, 147  
<223> a, t, c, g, or other

<400> 140  
ctctgggtatt catgccaaag acacaccagc cctcagtcac tgggagaaga acctctcata 60  
ccctcggtgc tccagttccc cagctcactc agccacatac accangtgtn aanaggagnn 120  
caccgcgctc gcgtgtgata aagggcnccg ggcccgtggc aaggcagggc ttcgcaggag 180  
atgatgcccc ccggg 195

<210> 141  
<211> 495  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3211415T6

<400> 141  
tcccaaacc ctcctgtga cttgcctctt ctcttggtg actttggttg tcatcgtggt 60  
catcactaga ttttagatgt cctcggtggt actgacggtt tttctgtcca cctcgctctg 120  
cagtctctct tctcctcaag tttgaaatgc ttcactctcat cgggttgggc cagaaaaatt 180  
tggtccataa aaggtgcata atttctttcc attcactaca tggctgcaaa gtcaatctgt 240  
acgtagagct gtctcactcc agcctgagta aaaatattat gtgtttggct taaaatccac 300  
ctagcatcag catcaggtgc tactattaat ttcaaggtcc caacataaac gtcagaacat 360  
aaagtccaga agtgctgttc ctgtaaactg taaactcctt gcaactgctg taccctctga 420  
tagcactgag gcagactatt ttctaatagg ggaggagttc tctgcattaa tattccaaca 480  
gattctctta aaaga 495

<210> 142  
<211> 346  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3238201T6

<220>  
<221> unsure  
<222> 7, 20, 27, 34, 39, 61, 78, 82, 91, 98, 103, 109-110, 114, 138, 141, 149,  
156-157, 165, 189, 233-234, 280-281, 285-286, 288, 291, 309, 319, 321-322,  
328, 341  
<223> a, t, c, g, or other

<400> 142  
taataanaaa tataacagan ttgaaanatt taantacant cactaccac tccagtaatt 60  
natttaagtc ataccaanta tngaatatga naaataantt canaagtgtn attnctttaa 120  
aatacactac ttccactntt ntaagtatnt tacatnnatg tatanattct atagtggaag 180  
cagacaatnc tctctaaaaa cattatctcc ttaaaatctt gcaggtgcat atnngagcca 240  
caggcaatct ctgacatata aaattgcagt acaggccttn naaanntngc ntttactg 300

PA-0020 US

tacaatacna caaccaagnt nnataatnac tgtacagtgc ntagac

346

<210> 143  
<211> 471  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3254006R6

<220>  
<221> unsure  
<222> 396  
<223> a, t, c, g, or other

<400> 143  
gttgaagagg gggaagttag ctggagacac tgctgtcagg atcagcactg gggcagagag 60  
gaagcagctg cgtttcggtg gtagaagtgg gaggggaagg aagaggggtc tgcaagggtt 120  
ctgtacatcc tgcaactgaca gaactcaaca gccagccct gcctggctgg ccctggacaa 180  
gatagaccct gggcagcaac tgggagaagg gaagaggaga aggggagctc ctggggccag 240  
aatcattcag cagaggctgt ggtttcagtg catacctttg tgtgaaagga gtgcacacaa 300  
tcattgagtt gggctgtaat tccaagggtc ataattataa ttccaattct tttttgtttg 360  
taatatttca aattcttggg tcctagatat tgatcnagca aaaaattcct ccagatggca 420  
atagcctctt ttctcttgca gctctctccc caaccttagc cttacaaagt a 471

<210> 144  
<211> 180  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3255002T6

<220>  
<221> unsure  
<222> 9, 19, 26, 28, 41, 61, 71, 73, 80-81, 87, 95, 152, 157, 167, 169,  
171-174, 179  
<223> a, t, c, g, or other

<400> 144  
ctttggaana agtgatttng aagcancngt gtatctcttt nttctgccct gggacattca 60  
ntacggtaac nangaatctn nggctancgg tgctnttaac ttctgaacca cgacttaagt 120  
caagaggagg acagggtccc agcttctcaa gnggcanatg tgcaacntna nnnnctacnc 180

<210> 145  
<211> 185  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3323143T6

<220>

PA-0020 US

<221> unsure

<222> 37, 44, 66, 69, 72, 90, 96, 102, 110, 120, 122, 129, 135-136, 142-143, 150, 162, 165, 168, 173-174

<223> a, t, c, g, or other

<400> 145

```
gagggggaac aattatatag aactttcggg gatgtanatt cttnggcctt cgacattctg 60
gagcanaanc gnttacaagc attttgaaan attctntgcc tncggcagan tttcgtgtgn 120
gntcactgng gactnnatcc anntgccttn ctgcttttaa tnttctnct gcnngacctc 180
cttct 185
```

<210> 146

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3365533T6

<400> 146

```
ttccaaaatt cttcaggatg tttaatgttc aagtgtccat attcccagtc ccaactggatg 60
cctggcagga tgcaaccatc tgaatgagtg gaagtataat gtttgacca ggtattatat 120
taggagcctt gaaccagaa tatgtctgat taagtctttt agccaataa tttgccactg 180
ctgccaaagtc tggtaatgtt gaaggagaaa gttcaaccat aacgggggtga tacagggcac 240
ccccgtactc aaaaaacttt caaagtgcctt tctaaacaag tttctctttc tccttgaata 300
caacgtcagt cacaactgat ggcagtacaa tcgatccatc catacactgc tctaagaaca 360
tcttgatggt ataatatgct gtcattcatg ctctacctgc tactagttta atttgggtcaa 420
gtagctcttt ccttgagagc tcaaatttct actagactca aattct 466
```

<210> 147

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3421032T6

<400> 147

```
caaaacaaaa caggcaattg ataaaggcgg cacaatgggg aaggagaggt gagggagaag 60
agagaaatgt ggcaggggtg aggggaacct ggggtgcaggc caggctgcct cagcgatacc 120
ccagggagggc tagtgtggga aggaaggacc aggaatccct gaaaggacca ggaggcaacg 180
ggacctgagg ggggtgttggg gaggcaagga ggggcggaga gcgaacaggt ctagaggaga 240
agggaaacca ggaagagggg gaaaggaggg cggcggcagc agccgggagc 290
```

<210> 148

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3425501F6

<400> 148

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```
gaaaagaaaa agataaggaa agaagagaga agagagacaa agatcactac agacccaaaac 60
agaagaagaa gaaaaaaaaag aaaaagaaat ctaagcaaca tgactattca gactatgaag 120
acagttccct cgaatttttg gaaaggtgct cttctccact aactcgatct tctgggagtt 180
ctctggcttc acgaagcatg tttacggaga aaactacaac ctatcagtac ccaagggcaa 240
ttctatccgt tgatcttagt ggtgaaaact tadcagatgt agacttccta gatgattctt 300
caacggagag tttgcttctg agtggggatg aatacaatca ggactttgat tcaaccaatt 360
ttgaggaatc tcaggatgag gatgatgctc ttaatgaaat tgtgcgatgt atttgtgaga 420
tggaatgagga gaatggcttc atgac 446
```

<210> 149

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3434684T6

<400> 149

```
aaaatgatgc attataaaac ttggaagcaa ctttatacaa attccaattt ttaaataatgg 60
ttgaacagggt tgccctgggg gttaggacac tggcaggaag tctgattagt tgctgggatg 120
gtcccatcca tgaagcactg gacacatgct gggaaccatc tgtgcataaa tcagaagagc 180
caacaagagt gggaacagga aaggtctgca aatacgcata tggacttgaa gatacaaacac 240
cagctcaggt aatatacagc aggcggagga gaaatgaaac aggagaaaca ggacaaagga 300
gaattcatga catgatcaag aaaccccttc tcctaaccct ctatgtccta aaaccacaa 360
ccatacagaa agaaaaaatg gaaatgcaga cagggttttta gttctatgct gtttaactgc 420
tgtaagttag agtagtacca tgg 444
```

<210> 150

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3471751T6

<400> 150

```
acatgtacag tcattactgt gctacattgt tattagacac aaaatggatg gtgctgtact 60
ttggtgacta ttatttccat cagttttata catggtcttc cttatggttt aattattctt 120
actcaaaaca caaaaggcat ctcttttctc tctcttatgc accaagcaga gtatatagct 180
gatgtcttgt gagtgggag aacagccagg gtactccaag acttgtcttc ctctttcttg 240
cctttcttcc agtgtggcca aatgaactcc ctgtttctctg tctcaggtga tttccatttg 300
accctgatgt tcccttttta ctatgtgctt tattccgtgc cccccagccc aatgtttccc 360
tgagcagccc ttctcttttc ctactcttgc tcggctggac cagttctaga t 411
```

<210> 151

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3475326T6

<220>

PA-0020 US

<221> unsure

<222> 5, 7, 10, 14-16, 19-21, 25, 41, 46, 53, 56, 59, 64, 66, 68-69, 71, 73, 75, 81, 83-85, 93, 100, 116, 118-119, 128-129, 132, 140, 148-150, 180, 208, 307

<223> a, t, c, g, or other

<400> 151

```
taaancncan gacnnnttnn nacancgcaa aatgagacta nagggnatgt cantancgna 60
tttnangnnc ntntntttct ngnnnggatc ttnaaaaggn gagatagcag gatccncnna 120
tgacttcnng anagtaatan cagctttnnn aaccgcaggc atcgtggagc ctgcatgggn 180
acgcatccag gccacggcct tcctttcnag aagctcccat tcacacttca agtccttacc 240
aatgctgtgc agccagatca cggccaggat ggtggcccag cctgaggaat ccacaagctc 300
ggcaggntgt gcagccatta tttcttccaa actcatacct aggatcttgg ctagatcttc 360
attcagattc caggaacctt ttgcattttg 390
```

<210> 152

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3480489F6

<220>

<221> unsure

<222> 216-218, 220

<223> a, t, c, g, or other

<400> 152

```
gactaaggga catttatggg acgtgtttta caaggtggga aactagtctc cccaaccttt 60
ctatcggggt cttgacctt ttaggagagc agcggacgag gttcgtaagc caggaaaact 120
agctccctgg actccctggc gagtgcgtag gatgaggaga ggcccagca ctttgggggt 180
gcacggtggt ggtgggggga atgagtaaaa gcgcannntn atcgtgaacc ccacccaga 240
tgattacctc gccgttggtg atgttgatcg ccaaatagat gtccccgaag gagccagacc 300
cgatcttccg taccagttta tatttccctc cgacaatgaa ttcagccttg gagccgctgc 360
tactcgccat cctgagagac gaagatggag gctggggcca agccccggac acctctggga 420
agaggacgga 430
```

<210> 153

<211> 519

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3559834F6

<220>

<221> unsure

<222> 14

<223> a, t, c, g, or other

<400> 153

```
gaagactgga agancacctg ggctgtcatt gagctctggt gccaggagga atggacaaga 60
tcttaggagc atcattttta gttctgtggc ttcaactatg ctgggtgagt ggccaacaga 120
```

PA-0020 US

```
aggagaaaag tgaccagcag caggtgaaac aaagtcctca atctttgata gtccagaaag 180
gagggattcc aattataaac tgtgcttatg agaacactgc gtttgactac tttccatggt 240
accaacaatt ccctgggaaa ggccctgcat tattgatagc catacgtcca gatgtgagt 300
aaaagaaaga aggaagattc acaatctcct tcaataaaaag tgccaagcag ttctcattgc 360
atatcatgga ttcccagcct ggagactcag ccacctactt ctgtgcagca agctcccaga 420
cgggaggagg aaacaaactc acctttggga caggcactca gctaaaagtg gaactcaata 480
ttccagaacc ctgaccctcg ccgtgtacca gctgagaga 519
```

<210> 154  
<211> 293  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3562407F6

<220>  
<221> unsure  
<222> 59  
<223> a, t, c, g, or other

```
<400> 154
aaaaatatct attaaaagta ttatatctct attggcttca tagtattctc ttgcaaggnt 60
gcaccattat ttagtctcct taatgttggt tccaatctct tgttattgag gactgaatat 120
acttgcactc atatcatttc atatatgtgt aaatatatct gtaggataaa ttccatagaag 180
tggaagtcca aattatatat atatttttaa ttcttggtga tatatcagtc catttacatt 240
cctcccaacc atcaataaaa ctgtaaaaac ctaaagttat ccaattagaa ttt 293
```

<210> 155  
<211> 608  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3586531F6

<220>  
<221> unsure  
<222> 528  
<223> a, t, c, g, or other

```
<400> 155
gcgttttaaac ccaagccgca gccgctgctg tcgccgagct cccggagctg ggtgggggtg 60
ccccacgctg aaagagagtg atggagtgcc cagtgatgga aactggctca ctttttacct 120
caggaattaa gagacatttg aaagacaaaa gaatttcaaa gactactaag ttgaatggtt 180
ctcttgcttc aaaaataaaa acaaaaatac taaataattc ttctattttc aaaatatctt 240
taaagcacia caacagggca ttagctcagg ctcttagtag agaaaaagag aattctcgaa 300
gaattacaac tgaaaagatg ctattgcaaa aagaagtaga gaaactgaat tttgagaaca 360
catttcttcg cctaaagcta aataacttga ataagaagct tatagacata gaagctctca 420
tgaacaataa cttgataact gcaattgaaa tgagcagctt ttctgagttc catcagagtt 480
cctttctact gtcagctagc aagaagaaac gaattagtaa acagtgcnag ttgatgcgtc 540
ttccatttgc aggggtccat taacttcaaa tgatgatgaa gatgaagata agagaaatgc 600
agtgtgac 608
```

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<210> 156  
<211> 525  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3685559T6

<220>  
<221> unsure  
<222> 360, 520  
<223> a, t, c, g, or other

<400> 156  
tctctaagcc taaccaaagt ctttggtgaa tgatgcttgg aaaagctgga gttttaaaag 60  
gcattcatcc atttatgaac tttcttccag cccaggatcc ctgcagagaa ccagaggtta 120  
caaattctgcc ctccctttctc ccctaaaagg tggctgaggg gaggagaggt gcatgtagct 180  
ccagctatag caaatcagtg ccctgactca ctggggagac ccaggggggt gggatgttgc 240  
tgacacctca tgggccacct catcagccca tctttgtagc ttcaggttca gctctgggtg 300  
ctgcaggcag ggacccctct gctccctgcc tgaatgcagg gccagtctcc aaggaactcn 360  
gtctgcagag tagaaagagc tgtgggctgg gaatcagggg cctgagggag cccctgccac 420  
tgccctgccca gaaccagtg ccttcattct cctgctgaca gcatgcatgt gccttttggc 480  
taacacacac tcttgtctaa tttccagcca cttaaccn gggat 525

<210> 157  
<211> 303  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3738958T6

<220>  
<221> unsure  
<222> 249, 264, 268, 270, 281, 287  
<223> a, t, c, g, or other

<400> 157  
aagtttcttt gaaaaactcc aatatactat tattgcaatc actgtaacag gtagatggag 60  
cattcccatc aacttggcta ctgacagta actcaatata ttattttctt aaccagaata 120  
caaaataaaa cccacagtca cacagaataa atgccctcaa agaaagcaac ttaaacttgt 180  
actgaacact gaaaaggtaa atctgtataa aagggtataa ctgcatttac agtgcaaact 240  
cgtgtttcnt tctactctct tatnaacngn aaatgtcttc ngaaacnttg cctccccgca 300  
ttt 303

<210> 158  
<211> 338  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3809571F6

PA-0020 US

<220>  
<221> unsure  
<222> 296  
<223> a, t, c, g, or other

<400> 158  
cccgtctgga agcctttata ctgaaacaca cgtgaccggc tgtctggaaa gtgagctggg 60  
cgccgtcaact gatgatgtct tttctgtggg acacagtcag gcacaccctc tgcccttctg 120  
agcctgggac gagacagagc tgacaggcgg agcccaaagg tgtgccgagc accagtgtct 180  
ccaggggtga gagtcacatg cagctgtggc tgccgtggac gcctgctttt ttgccctctg 240  
cagtttgctt aaccctgca gtttgagggc agccctgggc ctctggacag agcagncctg 300  
gttccctgtc aaggtgattg atccggaaga atctggca 338

<210> 159  
<211> 366  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3817414T6

<220>  
<221> unsure  
<222> 265, 276, 331, 343, 355  
<223> a, t, c, g, or other

<400> 159  
tggtaggaga aatgaatgag gtacttttag gtagttaaat agaaaaacaa atctagaaaa 60  
tacctggtaa cttgtgttgg aacacatttt ccatgatacg tttaatttct agcctctgtt 120  
ccaagttctc attgtgtaag ccaaattcct gtaccacttt gtcaatggca atgccaactg 180  
catttatctg ggaggggtgt ggtgggggta acgtagtggg caactcttcc tcttgcttct 240  
ccttaatgtt tttcttgtgc ctctnttctt tgatangctt atgggcaa atgcaatgggat 300  
tcaattaaaa catcacagag tctgcagggt nactttgtct tanggtagt tcgtngtcgc 366  
cttttt

<210> 160  
<211> 483  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3875548T6

<220>  
<221> unsure  
<222> 2, 12  
<223> a, t, c, g, or other

<400> 160  
cntttttaca tnatcccttt tttccatatt ttttaaacad tagatacata atttgttaga 60  
agttaaaagg gaaaaacatt tttttctgaa tcatatcaca ttatatttag cttaaagatt 120  
attaactttt tgaatatcaa aaattgaagc tgctgggaat cacatttatt tgtaggtccc 180  
aaaatagccc tgaggtctga ataggaaaat atcttttata aactataaca aaactctcac 240  
ctcaaaaata aacactatga aatttacaca gttatatctg tactcagtat ctttacaata 300

PA-0020 US

tccagaaacc tactggatta ttagaaatga caatgcaa at aggtttacat tcagaaaaaa 360  
agagagctta tactaagagg acctaacttg aaacctggca ccctgtgcag gaatctgttc 420  
aatccttaga acggtcataa agtcatcttt gttaaaaaaca caggtccttg gacaccccca 480  
aat 483

<210> 161  
<211> 376  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3992126R6

<220>  
<221> unsure  
<222> 96-97, 99, 104, 106, 115-116, 121, 126, 144, 159, 164, 184, 188, 197,  
204, 219, 223, 234, 244, 251, 284, 286, 334, 362, 365  
<223> a, t, c, g, or other

<400> 161  
aaaaataccc tgatttgaaa ccaacagcag atgttgcaaa ctttcatacc actgctggcc 60  
atggaagcct ctttaacaaca cactgtcatt taaggngng gttntncttt atacnnagag 120  
naagangtgg tcttaagggg atgnttccag ggggggtgant tcangcctct cctgtatatt 180  
ccancaantg gggatatntgt ggtngtttgt tttttatang ggntaataat cccnggattc 240  
taancatatg ntcagctatt ttaaagaggg gattaaatat tatnanagaa atagtaaaga 300  
taagttatcc tcacttaggc aaaagcacca ggtncctttcc atatcaagtt tagcctaccc 360  
angngtgttt tttggt 376

<210> 162  
<211> 351  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 342907T6

<220>  
<221> unsure  
<222> 344  
<223> a, t, c, g, or other

<400> 162  
tgacttgga tttgacaaat tcaaacttgg ttttaacaca ccatgtgcat ttcctgagcc 60  
ccaggcgtac cagcagacac agggctgaaa gacccagggc ctaccgcag ggcttagagg 120  
ctgaacccaaa ccgtttccca tttggctcaa gaccatggat gcaaaaatga ccatttttaa 180  
aattttaaat tcaaatttat tttacttggg gataatcatc actgacactc actgagccat 240  
tgctaggtca ttgtctatgg gcagggtccat gcataatgtt atttaatcct cactctggga 300  
aatgttatcc tcacttacag aggaggtcac tgaaagctca gagnagtaaa g 351

<210> 163  
<211> 474  
<212> DNA  
<213> Homo sapiens

PA-0020 US

<220>

<221> misc\_feature

<223> Incyte ID No: 462533R6

<400> 163

```
caaaattaca tttaaaacag tggattgttc tacaaatata tatgtgtata tatacatatg 60
cttctgaaat aaggatatat tatatgagtt tttatttgat ttgtggcttt tagtcatagg 120
taatcaaaaa taaagagatt tgaatgcaaa actttataca ttaatgtaca tttctaataga 180
tggtagaaaat tgccacttta taataaaaaa gaaacaggtg ggaataataa tcaaagcacg 240
tgttccttca gtactttggt gatttttaat cccccttggt atgcacagga aattatTTTT 300
tagttacaaa aagttatctt agaaatctat acttcccaat acagatttca tgtaaagtca 360
tatcaaatgt agaatttggt gtgaaagaat aggaaaagg atgctagatg ctgatctttc 420
tttttcaggg atttttcccg ggaggcccaa gttaaaaatt ccataacttaa atcc 474
```

<210> 164

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1554666T6

<220>

<221> unsure

<222> 296

<223> a, t, c, g, or other

<400> 164

```
cagggctctg ttttaagccc tttttatctc tcacagtata gactctctca tggggtaaata 60
attgacatga cttcatttcc atctatctgc tcatcactca caaatctctc tctagtctag 120
acttctctct gagctccaga cagcgaactg tctcttcgag gcccctatggc tatacctcaa 180
acacctgtcc taaacaaaac tccccatctt ctcccacaac tgctcttttt cttgaagtcc 240
acgcgtccaa ggcggcccat ccagtcctcg ggagaaaact ggcagacccc cttatnttca 300
catctgtgat aaccgacatg ttcactgttc tgctt 335
```

<210> 165

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1872410F6

<220>

<221> unsure

<222> 47, 235

<223> a, t, c, g, or other

<400> 165

```
atctgaaagc atgcgtgtgt cacagaccat tcagaggggc tataganagc aaactccagc 60
tgaaagcatg cgtgtgtcac agaccattca gaagggctat acagagcaaa ctctagctaa 120
aagcatgcat gtgtcccaga cggaaaacca gagagagcaa actccagctg aaagcatgcg 180
tgtgtcacag accattcaga agggctatag agagagtact ctagctgaaa gcgtngcatg 240
tgtcacagac cattcagagg ggctatagag tactctagct gaaagcatgc gtgtgtcaca 300
```

PA-0020 US

```
gaccgttcag aggggctaca gagagcaaac tccagctgaa agcatgcgtg tatcacagac 360
cgaaaaccag agagagcaaa ctctagctga aagcgtggcg tgtgtcacag accattcaga 420
atggctagtc catttttctt ctgggggttt ctctcccca ttatattgtt tgggaagcag 480
ttgttttact ttaaaatgac ctggattcca ccagtata 518
```

<210> 166  
<211> 338  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1991934F6

<220>  
<221> unsure  
<222> 71, 88, 109, 188, 268  
<223> a, t, c, g, or other

```
<400> 166
aggtgaggca cctgagaagt tgtggcagcc tcttagggac aaagctgaat ttccctgaga 60
ctagaaacct nttcttcoga aaactctnga tactttttgt actgggccna tctcttgtca 120
cttaggcaaa ttctttttca gttaatggga ccaaagagag atgtttttgc ctccccctaa 180
gctggacnta gttggcttaa agtgaagaa tcccaggag gcggggacct ggtaaggccc 240
ccatcattca gctgccctct cacacctnaa gagccacttc tctgctccaa ctgtggctgg 300
ctttgtgttt tgttttaacc aggaaggtgt tccccgtg 338
```

<210> 167  
<211> 533  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2264271T6

<220>  
<221> unsure  
<222> 484  
<223> a, t, c, g, or other

```
<400> 167
gacctttcag aacctctatt gccctctgtg ttaaattggca gcaataaaac ctcccaggat 60
tttcagggaa ggggtggat caaacaagtt acaacacatg tgaaagtgtg ttggaaagca 120
ccaagtattc taacagaaaa ggccaagaaa cagcatgcat gctgccactt ccctctcccg 180
tgcccaaggc agacatggct atctatctcg gcaactgtct accaagctat attgatcatt 240
cagaatccct ctcaacacat tccaggatag ttaggggtgac atagcctcca tgggggtgaag 300
agaagcagca atgcaaagca gggaatgccc aggggaatggg ccagggtggcc tgtgccgtct 360
atgggctggg cctcatgctc agctgggctg tggctgggct tcaagaggcc tttgttccca 420
gcctcctggg tagcaacccc agttcctctt tcgtgcattg tggttccctg agaaaaacgt 480
taanccagcc ccagcacag tcaggccagc cctggggaag ggctcattca tga 533
```

<210> 168  
<211> 511  
<212> DNA  
<213> Homo sapiens

PA-0020 US

<220>

<221> misc\_feature

<223> Incyte ID No: 2374921T6

<400> 168

```
atcaaagctt gctgcagcct tgaactcctg ggctcaagca atcctcttac ctcagcaact 60
aggactacag gcacatgccca ccacgcttgg ccttctaatt tatttctgtg tcaacaaaat 120
aaaactcagg cctaggaata gcttggttca gaaatcacag agggacttag tattccatta 180
atacaaattg aaacattaag ttcatcatca gatgataaaa ggaaaaaaaa aaacctgata 240
ctcatctcaa aagacgcaga aaagacattt gcataaatcc agtacctatt attatttcaa 300
atttaaaaac ttcttctttt ttaagagata gggatcact atgttgccca ggctgatctt 360
gaactcttgg cctcagatga tcctcctgcc tcagcctccc acagtgctgg gactacgggc 420
atgagccacc acacccatca taaattaaaa cttctgaaca atctagtaac aaatggaaat 480
gcttttccat gatccagcac atctagcagg g 511
```

<210> 169

<211> 61

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2530696T6

<220>

<221> unsure

<222> 20, 41, 47-48, 50, 55

<223> a, t, c, g, or other

<400> 169

```
aatatattaa tcagaaaagn cacatactat aaatccagga naatacnngn atatnaatgt 60
c 61
```

<210> 170

<211> 185

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3092415T6

<220>

<221> unsure

<222> 22, 73, 135, 173

<223> a, t, c, g, or other

<400> 170

```
agaaaaaacc caacaatatt anacaagaag ctactgcact ggactacaga gctaaggtat 60
ggtgagatcc tantgacttc attattagac catcagtctt ccatttctct ctatcctcac 120
agcctgactt ccagngcaag tcataaatca atgttgctct agactgctgc agnctcctca 180
cagtc 185
```

<210> 171

<211> 346

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3092627T6

<220>

<221> unsure

<222> 56, 58, 72, 79, 145, 177-178, 193, 212, 226, 229, 266, 271, 295, 309, 320, 332

<223> a, t, c, g, or other

<400> 171

```
atgtgttttt aatgtgttcc cttctattac ccctccctct ctacctcccg gggaananaa 60
aaagtagaga angaaagtng acaattccct tgttccctca aggagtaaca gctcaccctg 120
caggcataca gcagggaact ctcanaccaa gggaggacgt aggaaggag tgggttnngg 180
gggatgccac cancaccagg agagctgtgg gnggctaggg caggangtng aataatttca 240
tttcacaggc tttccagagt gttaanggta naaagagccc gggagatttg aaganggttt 300
gcagagatng agaaactgan gcaaaatggg tngttacttg ctgaag 346
```

<210> 172

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3602715F6

<220>

<221> unsure

<222> 47, 250, 305, 319-321, 323, 325, 473

<223> a, t, c, g, or other

<400> 172

```
ttatttcctt aatccacaag cagtggttac acttgctttg cattctngtc tggttcctaa 60
ctctagagcc cttctccctg gcttagccag taagctgagc ccctggctgc gttcagcccg 120
cccgcctgag agacactagg ggaaatagct tttgtgggca agcagggtgg ccggtggtgc 180
tcagcagtct ttccagtggc tgtgtccctc ctccaaatgt ggacaggcca tgacagagtc 240
ttagcccaan tcccacagat ccccaaaagt tctgttgatt gcttcagggg atcagtgaaa 300
attanggaat tttgtgtgnn ncnanataca ttttttctgg ggagatgagc ttctcattga 360
gatctgtgac tcagaatcga ctaagccacc ataagtctgg atttctcccc agctcccaag 420
gcccttttgg ggtccagaag acctgcatat ggggctgttt actcatgcaa atnaggtatc 480
tgaactgcag ctttcagtat 500
```

<210> 173

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1879094F6

<220>

<221> unsure

PA-0020 US

<222> 237

<223> a, t, c, g, or other

<400> 173

```
caattctatg actgaaagtg actaaaaagc tggctttatg ccattaacac tctgtacttt 60
gcagccaatc agaactgacg cagtctgggt gctagctgct tcaaaagcaa cccacaccac 120
actttttacca ttccatata tcaactgctg agaatatgaa aatgcacagt gacaggtttt 180
aggatcctgc ttcaggattt ccttttcctg gtttggtcac tagagttggc tatttanctg 240
tttctaaaca atagctattt tatcgaatag tttagagacc actattaaat attgtgactg 300
atgaaggatc tgtgaatttt ttatatatgt tctaagagtt accattttga taccttttaa 360
aaaccagcag ctttc 375
```

<210> 174

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3735627T6

<400> 174

```
tgaggcagca tgggagtctt ggcttggaaa tcaggtctgc gttcttggtc ccttcagtca 60
ctgacctaat atgtgaactt agacaattca cttgcctctc tggaccttta aatgaaagag 120
ttaaactgta atggataatg tccctgggct ctttcacata atccatactt gagaaatcaa 180
tgaatcaatt tgaagaaact ctaattctaa gacataggta tcctggcacc tgtttgaaac 240
agctgaaagg aggtaaaggt caggttcctg tttattatac atttagctat aggaaaagaa 300
gcacatatat ctatggagac acagaacctg gcagccocta tacttgacta ataaaagcaa 360
attcctggaa gaagcagaga aataggccac aagtggagact ggcagtgta aaaaaggtct 420
ataagttaag tgatccaagt agtaaaaaac a 451
```

<210> 175

<211> 244

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1958331F6

<400> 175

```
aaaaagaggt cttgccttta atgcagtgcc taaattacca catctttatt agaatttcat 60
aataatgctt tgagggttga taaaaatttt tctcaaaaga gaacttctta aaataggagt 120
ttggatatcc agatattcca gagaacttgg ttgttttagtg ttttaaattc taagaatttt 180
tcggccagaa aatgatcctg cagagcatcc cttcccccca cctcaccact atttctcaac 240
tcct 244
```

<210> 176

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3234716T6

PA-0020 US

<220>

<221> unsure

<222> 5, 19, 66, 80, 83, 94, 109, 124, 127, 131-132, 135, 143, 159, 171, 180, 183, 196, 207, 230, 235, 249, 254, 260

<223> a, t, c, g, or other

<400> 176

```
atctncttcc atcaactgng cagagtcac tggacttcc acggacgtg tcagcaactt 60
tctgancgcc ttcaaagaan ccnaggcagt catncgttct ggctcttct gggcgggttc 120
ttctntctca nnggnccctc canactccag ctcttatgng catgtgccg ngaatcgtgn 180
tcngtctctt cttgcnacag gattcancac ggggtcatcc actcttgaan taatnagctg 240
ctcagtggna tctnggggtn ggggtgggcc a 271
```

<210> 177

<211> 269

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2707709T6

<220>

<221> unsure

<222> 199, 214

<223> a, t, c, g, or other

<400> 177

```
taggtgattc agttttatta ggctgattag caataatttg caaaaactgt ttaaacaagt 60
catggaaaat aaaatgaaaa tttaattagc accagtgtca agggtaaaaa agcaattaat 120
attaaacact aatgtgaaga tactgttctt ttgtttttaa ttattcaata ccacactgag 180
cagattttga ttatttttnc tttctgagaa aatnaagggc ttttaaaatt atacttaata 240
tgagctgtac taactataaa tggtgaaac 269
```

<210> 178

<211> 461

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3111091F6

<220>

<221> unsure

<222> 22, 49, 128, 130-131, 133, 415

<223> a, t, c, g, or other

<400> 178

```
ccgccgtcct gagaggattg tngctgatgt gcagatctca gctggctgna tgcattcagg 60
ataccccatc atgtgccacc tggagtctgt gaaggagatc atcaatgaga tggacatgag 120
gagcaggngn ntncggggcc ccatccatga gctggggccac aaccaacagc ggcattggatg 180
ggagttcccc ccacacacta ctgaggccac ctgtaacctt tggtcagtct acgtgcatga 240
aacagtcctg gggatcccta gggctcaggc ccacgaggct ctgagccctc cagagcgaga 300
gaggagaatc aaggcccacc tgggaaaggg agccccctg tgtgactgga atgtatggac 360
agccctggaa acatatctac aggtactgag ccagaaattc tgggagaagg ggaatnaccag 420
```

PA-0020 US

accccttcag tcatgtagcg acctgggatc ccagtagctc t

461

<210> 179  
<211> 274  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1352487T6

<220>  
<221> unsure  
<222> 224  
<223> a, t, c, g, or other

<400> 179  
gtagaagtat gtgttggcaa tcgttttcgt aagagtcaga aaaattaggc cggtttcaca 60  
atatagagtg tcctttctgg tcaacagtat tgcttcagga cagaagagca tttcacagat 120  
ctttcctgta acttctagaa aagtcattcca gccagattta ggctcaagct tctttacaaa 180  
gccattttcc tatgagagaa taaatttaaat attttaaaaa tcantggaga ttaagtatgc 240  
tggaataaaa agcaaaaata ttttcattta aata 274

<210> 180  
<211> 111  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1361439T6

<220>  
<221> unsure  
<222> 92, 107  
<223> a, t, c, g, or other

<400> 180  
ccccggacag cccttttagc cataaggaag tagcgggtcca cgggggcgcc gagggccacg 60  
ttgatagcgc gcacggtggt gatgttgccg anaccaacag catgggncgc g 111

<210> 181  
<211> 556  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1214059T6

<220>  
<221> unsure  
<222> 309, 318-319, 359, 408, 554  
<223> a, t, c, g, or other

<400> 181

PA-0020 US

```
ataatattct ctggaaaatc taaaatcatt ctgttatcct aacattttta tactatcatc 60
atatttagaaa ataaaaggcc tgcgttatat actagaaaaa tttcttcatt atatgcaaaa 120
tatttatctc ctctagtaaa ggagattaaa gaacaactgc aagaggaagg aaggctctga 180
aagtgtttca tttggtatct acctacccca accccaagac ataaagacag ataaaggcac 240
taagatgcta gtatgtggct agtcctttca ataaccagc cagtccatac agataaccca 300
tgggatatnt tttttgcnaa tctctttgag ccacgatgg tcattatttg gttagtctnc 360
ccaaggtaag gccataccag ctgttaaaat gatgtagaga ttaatcanca gggctgccac 420
ttgcgaatcc cctccaagga tgctgtgcaa agggctctcat tggctctgat gagtaatctt 480
gtgactgtac atattcctgg gtgcatgtcc acaaatactg aggtatagcc tgcattgccac 540
taaaaataac aaangg
```

<210> 182

<211> 263

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 182609R6

<400> 182

```
gtgagctgga ctaaagggtta tcttaggtcc ctttcaactc tgcactgtca acttgaattc 60
atacacacag ttgacacaga accctcgttt tctgaacaaa agcatataaa atcctgttgc 120
caatccttgt atgtcagttt cccatgggtc ttgaatgcaa atacaaatat cgtaaaactaa 180
atatttgtgt tttctttcct agactctcca gaaagagcaa cagtaatgga gtacatgagc 240
actggaagtg acaattaagg aga
```

<210> 183

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1930329T6

<220>

<221> unsure

<222> 2, 545

<223> a, t, c, g, or other

<400> 183

```
cngggagacg gggctctgcc cgccccaccc tgaggtggaa cccccagctg ctctggggca 60
cagaatcatt tacaaaaata aatatgaaaa aagcagcaac tctttagtga tcatggaatt 120
aatctgacag caattaaatg tgtttaagca tctggcatat ctctcaatt gcacaaaaag 180
aatttggaag cacttggttt ggtctcaaag gcaaaaggaa aggacaagga aggggccagg 240
cctcccgcga ggccccgcc cccctcacat ttctgagtc gcatacatcc cgttgattaa 300
gtagtccacc tgggtgtagt ccttcttctt gtagctctca taggcctgca gggcaaacia 360
aaccaagact gtgatgaaaa gggtcacccc gagtaacagc accaccagaa ggagagtttt 420
gtctaccacg gcctgggtga ggggtcagc ggtgaccacc atgtactggc cttgggtgct 480
gggctggcac gagtccgtgg ctggcatctt agtgccccct gagctcctgg ggtgttggcc 540
cagtngaate agtacctggg tgtggcttca gtctcta
```

<210> 184

<211> 408

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 927117R6

<220>

<221> unsure

<222> 80, 116, 132, 136, 138, 142, 155, 159, 170, 176, 183, 185-186, 188, 190, 193, 209, 217, 221, 238, 292, 309-310, 318, 325-326, 348, 351

<223> a, t, c, g, or other

<400> 184

```
caatatgttt cttctggata tccttcactt caaaatagct tcataaagtc aggtccttct 60
gtacctccct tagtgaatcn acctctgcct acaacttttc aaccaggagc tcctcntggg 120
atccctccaa cnggangncc anccccagtg aggggccana tgcccctgan atcatnatat 180
atngnngnan ccnagccctt atataattna gctgtcnacc nagagggtat tacatcanat 240
accatctaac ggatctatgg tgggccacag tagttacgac gagattgaag gnggtggctt 300
attggcaann ccacagcnta ctaannagaa tcccaaatg agccgcantg ntggatattc 360
atatccctcc ttaccacctg gttatcagaa cacaacacca cctggtgg 408
```

<210> 185

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2859369T6

<220>

<221> unsure

<222> 12, 208, 210, 214-215, 229, 237, 244, 248, 266, 273, 277, 281, 325, 340, 345, 373, 380, 383, 409, 425, 445

<223> a, t, c, g, or other

<400> 185

```
aactgctact gngaacaac tggataccat aacattaaaa agaagtaaaa ataaaagaat 60
gagtgcacaa agaaacgaac agctaattaa taagatgaag atgctcagga ttggactgga 120
ggagagtatg accgcaacac tcagatacat aaccacacct gtaaccacac ctgtttacaa 180
ccacaggtcc ttgctctcaa aataaatntn ttgnncattt acaacagant gaatgcntta 240
tgantgcnag cttttctttt attgcnattc tantcantca ntcaaacaga ccaaagggtc 300
atacttctaa aataagctac aagtnatctt tttctatgan aatgntgtga cttgggtgcca 360
cagctaaact ttntctaata gngcatcat cagcccatgg cagcaaagna atgttaattt 420
ctggnatccc atgggtcttt accgnagcaa caacttcata aagc 464
```

<210> 186

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1554387T6

<220>

665077-425E460

PA-0020 US

<221> unsure

<222> 224, 251-252, 328, 332

<223> a, t, c, g, or other

<400> 186

```
aatgcaggta caaaaagtga caatctacag aatattttaac aataatcaact gcctatgcc 60
tttacgatga aacatgagac aaaagggata aagtgcctta caaatccaac accacaagga 120
ggagtttagga cttaggaata gactgagtag actatgtgcc ttgctcagcc acaattcttg 180
cctgtaattc acacaaagaa cactgtcaca ccaattactg tgcnaatgca catgtacaaa 240
cagatgacac nnaggagctc tgttgagac actgtttctt cagccttgac atgtggcaaa 300
gccaaagtac tccttgtcat tgacaccngg antatggcca agagggaaag gaacctctgg 360
gatctcccag ggaatctgaa tctcgaaacc tccaggaagc ctcttaggag ggctgtgtag 420
tgat 424
```

<210> 187

<211> 227

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 503030T6

<220>

<221> unsure

<222> 173

<223> a, t, c, g, or other

<400> 187

```
ttaaatgtga taaaagctta tttctttaga tataagcaat ttgaggtaac atggcttgta 60
cacaatgttg ggaccagtg gcccttctgt cttgttgctc tgccatacct gacatatgac 120
ctctgtccca tggttagaat ggcattctca gctcctgcca tccagtgaact ggngcatcaa 180
tatccagcaa atttttttcc tgtcgaagaa ttgatgcacc ctctgtt 227
```

<210> 188

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2058709T6

<220>

<221> unsure

<222> 418, 426

<223> a, t, c, g, or other

<400> 188

```
ttttgtaaaa tataaataca aaggcagaga atttacttac aaagttaaaa cacagatttc 60
aaacataaac acacgattca gaaaatttta gttttatgta cattccaag caacctcaac 120
atattatggt agttttcaat attttacagg gtacagaaaa aaatagctca aagtcttctt 180
taaataagag cataaaatgt ttaaacatat aaacaatccg gtttgatgcg tgaaaactaa 240
tttcacagct tttaaattag gatataaaag tttcatacaa ttagttgttg tgtgtggata 300
tggtttgaat ttatattaca cactactgga ttacatccaa tagcatttac ctggcccagag 360
cagggtactct gtaaacaaaa caaagttata tcaccaagtg cttccccga attcgctncc 420
```

tcaaancaac cacacagttc tgaccagtct acag

454

<210> 189  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 3988515T6

<220>  
 <221> unsure  
 <222> 276, 345  
 <223> a, t, c, g, or other

<400> 189  
 ttgttggttg attttaagta tgcatttatt tttgagtatg cgaaatatca gagttctgaa 60  
 agtcagagct ttacaacaag ctgtagtcag agaagtgtca ctttcccttc atcttggcac 120  
 tgcattccca ttccatctgt ctttccattc tttccacttc atgcccactt atcctccata 180  
 gatatccaat cttgttagtt tctagtttac ctttcttgga ctttttttca ttaatgagca 240  
 tatacatgta tattttctta ttcacatttt ccaacnaaaa gatcacatca cttagaaata 300  
 tgggagtcct tccctatcag ttcgtaggaa gatttctcaa ttctnttgac aggcatctac 360  
 tccat

<210> 190  
 <211> 583  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2888859T6

<220>  
 <221> unsure  
 <222> 253, 410, 492  
 <223> a, t, c, g, or other

<400> 190  
 agacttggtg tctgtatcca ggagtgtggt agataactaac atagtgtttc atttacctgt 60  
 gtgtgaaacc tgggtgaaga gccagggttt ctctcccca cccgcctcag agtgcttgtc 120  
 ctggaatcag agtgtaaaac cccctcttga agcagacacc aaaactgaac ttccaccggg 180  
 tcatgggccc tgctcttctt gctgtcagcc tagtccaaag agcaatgagg gaactgctta 240  
 ggaggggtct ganggtgatg agggcctggg ggccacacag ggggtgggtgc tgtcagggtac 300  
 aagcccatcc ctgcctgcaa ataaccttgc acagggtcct tctctattct ttctcttcc 360  
 tttttgttta tgagatgaat ggctcttctg ctgtggcttt aggggcagtn gggaggcagg 420  
 gagctatttg ggaacagcct ggaaagctga cctgcagaa tctcccagaa gccttggtgt 480  
 ggctatgggt anccaggctg tagaaatccc agatggctct cttccagacc tctccccaac 540  
 tccagctcac agtttcagct tcttggcact gaaaacacta cta 583

<210> 191  
 <211> 303  
 <212> DNA  
 <213> Homo sapiens

PA-0020 US

<220>

<221> misc\_feature

<223> Incyte ID No: 3169474T6

<220>

<221> unsure

<222> 277

<223> a, t, c, g, or other

<400> 191

```
atataaccag cgctgctagc ggggacgggt gggacacctc tgggtctcaga tgagtgtgtg 60
gaaggagggg acttgctccg agcgcaagtt tgtgcggaag cgcggtctga cctgggctct 120
gaatccgggg gtccgggggt ctgcacccag gcgtcagttc ctcatccgca gagtggcccc 180
cagaagcctc cgggtgggtc cgaggatgct ctaaattccc ggggctaagg ccgagcccgg 240
cgtcccgcgc ccagcccgcg ggagctcttg gggatcngag cgcggccgac cttcgccagc 300
ctc 303
```

<210> 192

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1865880F6

<220>

<221> unsure

<222> 184, 260, 327

<223> a, t, c, g, or other

<400> 192

```
caggagttca acctcagcgt tactttgaaa gggctgccga cttcattgac caggcttttg 60
ctcaaaaagaa tggccgggtg ctggtccact gccgggaagg ttatagccgc tccccaacgc 120
tagttatcgc ctacctcatg atgcggcaga agatggacgt caagtctgcc ctgagcatcg 180
tgangcagaa ccgtgagatc ggccccaacg atggcttcct ggcccagctc tgccagctca 240
atgacagact agccaaggan gggaagttga aaccctaggg cacccccacc ggcttctgtt 300
cgaaaaggct cgtctgtgtc ctgccantct gagttatcca gaaac 345
```

<210> 193

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1440669F6

<220>

<221> unsure

<222> 382

<223> a, t, c, g, or other

<400> 193

```
caggcagttg tagccgggggt ccgtgttctc acaccggtgc tctccattgt ggttgaagca 60
ggcatcaggc acttctttgc actatggagg aaataagagc gtgcatcatg tttagaagtc 120
```

PA-0020 US

```
actgccataa ggaagcgact gcacagggtta gctgctttcc tagatccaga aactcggagc 180
cccatcagtt cctcacctca tcaacatctg tgcactggat gccatttcca ctgtaaccag 240
ggggacaagc accacatttc cagctgccat cagggtagct agtacacttc acgccggcaa 300
agcagggatt ggacaggcat ccatctgaga caaggagaga gagacagtca cagtaaattgg 360
ttggtctaag ctgccatact gnccatgctg ggcattaaca cagtgtgaaga tattataggg 420
tatagggaac cgataacttg tt                                     442
```

<210> 194

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2995031F6

<220>

<221> unsure

<222> 89, 189, 206, 252, 272, 397, 411, 429

<223> a, t, c, g, or other

<400> 194

```
ctattctatc caagggtatgt agcccaggaa ataaccaact tgatgcgtgt tatgacccat 60
tttaagcctc ccatgatcac agtttttana atacaattaa ggactgggcc ttttctaggc 120
gacacaagaa aggtaatagc tagaacagaa gaaagagggg tccccaaaaa tgtaacctta 180
aaatttgana cttgtgccac tattgntagt aagcagcatg gatgaggatg tggttctcta 240
aattggaaaa anaagttaca cagtaaaaaa anataagtat atctgtcaag aatcatattt 300
atgtgagatg tgtcaatact ggtcttgcgt tatttcggct acttgaaaat aagttaaaaa 360
agatagtgtt tggttccaaa aaggaaaagt ccagccnctc ctgcatgagt ngggagctgc 420
aaccttttng aattgataaa tcacaaaccc ctcagaccca aagtgga                                     467
```

<210> 195

<211> 535

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 667705T6

<400> 195

```
aattaatcct cagtaagtca gcaaaccagt gacaagaaat tgacaaacac tccttctaca 60
gcttcctgag acagcaggct ggcttgtggc cccctgggtg gtaacatctt aaggaatcct 120
atcatgtttg tttatatatg ctaaactgta aaaacaaaca cttcatgcga caatcattct 180
taggtcaaac acaagaacga actattttga aatcaattcc tcacactttt tccctgaata 240
tgcagtactg tactactaac atctaattct gtagaaaata atgcatttgt tagtgacttt 300
gttagagctt gaaaagaccc ttttagaaat tatttaaattg atcactcttt aaaaattttt 360
tttaattctc gaatctacta atgtgacaga caaacgggat gcttaacaga gtcataaata 420
ctgtgtataa ttgcttgacc atttctgggc atttaaattga cctcccagaa tattacacaa 480
gccctgagac tagtgagcat cttactactg accttgtaca ataccaaagc ttcatt                                     535
```

<210> 196

<211> 370

<212> DNA

<213> Homo sapiens

PA-0020 US

<220>

<221> misc\_feature

<223> Incyte ID No: 2808826T6

<400> 196

```
tcttacattg gaacgatttt cttgttttta ttttctacaa aaaaaaaagc ggggggacgt 60
taaaattaag catagaaatg gtggaacttt gggatttcct gtccagtcac ctgcgagtc 120
ggttttattc caattgattc aacgtggcag attaaatgtg aaaagtaaaa tgggtgggctc 180
ctttaggcag caagtcttgc ttctctcctg gttacctctg cctacataga tatttggtta 240
agcaagatgt ttataccccc acacgtattc tagatagtgc tggatcatgaa gtaagtcaca 300
attttccata tctgcacgat ttttaaaaaa tgggaactacc catctgcaca aaatcttttg 360
gagtgacggg                                     370
```

<210> 197

<211> 155

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2841974T6

<220>

<221> unsure

<222> 4, 26, 31, 66-67, 71, 89, 97, 103, 112, 114, 116, 124, 126, 130-131, 142, 144

<223> a, t, c, g, or other

<400> 197

```
aatnttcata tataaacaac ttttaantgct ntctccaat ttaaacaatct aaagacttca 60
aaaatnnggc nttcaatatt tgaaaaaant acagatntac aanatgtgta tntncngtca 120
tgananctcn ncaccaacat tntnacttgc gaaaaa                                     155
```

<210> 198

<211> 504

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3175296T6

<220>

<221> unsure

<222> 27, 477

<223> a, t, c, g, or other

<400> 198

```
gacacacata cacacacata aagaagnaaa gtcaccagct gagagcgaag tttgggggtg 60
aagttttgag gtttgagaaa aaagaagtct gaaagtctaa cctctttttg aaatgtgcct 120
gtgatgaaga gtgacaatcg gcaaagcaaa tctaataagga tctctaaaaga gcctttttcct 180
gttggtttaca attgtggcta aagccctgca ctagaaaaca acaaagtcta agatcctccc 240
tgcatccctc acccccgacc ccctggggca cacacaaccc tctccacca cgttctaaaa 300
agactggaag gacttggaag aacattccta tgggatgaac tagaagggtg caggactgct 360
atcatcagac ctcatctacc caccgcttcc agctgaaaac cagggatttc acaaaggaaa 420
aatcatgaga gtcatagttc tgtgggtttc tcaaaaagga gaaggaaggg acgcttnttt 480
```

ccttcccacc cctgaggaac aggc

504

&lt;210&gt; 199

&lt;211&gt; 481

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 693452R6

&lt;400&gt; 199

```

gagaaaacaa atgaaccagt attcttacat tgatttcaag tttgaacaag gtgacataaa 60
aatagaaaaag aggatgttct ttcttgaaaa taagcgacga cattgtaggt cctatgaccg 120
acgtgctctc cttccagctg tgcaacaaga gcaggagttc tatgagcaga aaatcaaaga 180
gatggcagag catgaagact ttttgcttgc cctacagatg aatgaagaac agtatcaaaa 240
ggatggccag ctgattgagt gtcgctgctg ctatggggaa tttccattcg aggagctgac 300
gcagtgcgca gatgctcact tgttctgcaa agagtgtctc atcagatatg cccaagaggc 360
agtctttgga tctggaaaagt tggagctcag ctgcatggaa ggcagctgca cgtgttcgtt 420
cccaaccagt gagctggaga aggtgctccc ccagaaccat cctgtataag tactatgagc 480
g

```

&lt;210&gt; 200

&lt;211&gt; 375

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2203194T6

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 58, 69, 185, 198, 288, 330, 337, 361, 367

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 200

```

ctggagatct cacataaaaa tataagctta tcttgctcaag ccagaaaatt tggcagtnng 60
gtctgcatnc tggcgtggca tcatcagctg ggccctgagta gtgtggggagc tccctgggca 120
caggacaagg gctcaggagt gtgcccagtc cccaccactc ccatcgtctc acagtgggct 180
gcctnattcg cttgtgtnac ccgctaacct tgcttaaadc tcagctctgt ctctaataag 240
ctgtggggacc agctctgggt ttccctctct ctgaatgaga tgtgaatnac agcgggtaga 300
ggggaacaga ttctagaggc tcggtgcttn ggttcanaac cccagctctg tcgtttacaa 360
ngctgntga cctta

```

&lt;210&gt; 201

&lt;211&gt; 596

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2231176T6

&lt;220&gt;

&lt;221&gt; unsure

PA-0020 US

<222> 577

<223> a, t, c, g, or other

<400> 201

```
ggaacgagaa ggggctaggg ataagaatga ataaaagtgg aaaaactaaa acagaatgat 60
ttaaaatgtg caaatatact ttgcaacctc caccattcaa tttagggtt gatatgtatg 120
tacagtgaga tccatgtagg ctaaaagtga tttcactttg tagttgatgc tacttgtacc 180
agttctatca ttagtaagtc accgtttaat tctgcaaaaa tcagacaagg atctttctgg 240
ttagtgcaaa caaggttttc catcctgggc tgcagtctga cccgccagt ctcagtaggc 300
atgcttgtag tgaattcgca cactttccag ttccccacct ccaatggcgg ccagggtctc 360
cagcctgttt aagcgtcca agcttcttcc aagaacttct tctagccgac tgcgtaacac 420
ctgagccctc tccagttcca cctgcagagt tcggtctctc tcagagctct ctggatgggc 480
atggaacttc accagactgc tatagagctg tctctctgct tgtaaggcct cattgagccg 540
actccgttca tctactagtc cttctagcat cagcagnaac tgttggcctt cgggtt 596
```

<210> 202

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2370457T6

<400> 202

```
tacatagtca ctatgccaca agatgttaag aatagttttc tctagatagt ggccttacag 60
gcaattttta tttgggggtgt gtgtgtttta ctcaataaat atttattact tttgtattca 120
gaaaaaacat taagagaatc ataggaaagt ttaactaaaa aagaaaatct ttaaaatata 180
attaaattat ttaacatata cttcaagtga gattgtttcc ttttgctaag ctatattttg 240
taatctccac aacaaacatg aaatagtaaa gttgacataa aaaaacttgc acagtaatag 300
gaagcagtgt ttacattttg ccaccctta cattttgaag aggggaactca tattcttaac 360
caagactggt tcttatcatt attcaaaggt acctactttt cctaaatatt gcaattaaat 420
tatttgtagt taagaaagca gtgtattgta aaggaaccag ccagacctgg ggtaaattcc 480
taattttgcc attaactttg acataaccac ctaacccaat ccaaaaacga aagt 534
```

<210> 203

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2379695T6

<400> 203

```
ggagacactg ctacaaagca tgaccccaaa ggtgcagaaa tgccctgcatt aggctggaag 60
attccctgag gtggctcagg caggttaagaa acccacacag tcctgggtcc tccccaagcc 120
tcggacgtgc agctgctgct tcaactggaat tcttctctcc tcctggaaac ttgctccagt 180
tgtgtcactg gaggaggaaa aggtgtgggg gagggggaag agggggctgg agctggcctc 240
ccccgaggcc tggtccaga actcgggctg tgtggggcgg ctgaggactg tgctctgtct 300
agagcttttg caggcaagga gtcgggatgc agcaaggact gagggctatc tgccgtgact 360
cttcaaagag gggcctgcc caccaccaa gtcccatcct ggagtctaca agccaaggag 420
ctgcgacctc accgagggcg cctgttatta aatagcccat tggctgcgcg cggtggtcta 480
tgctgcaatc cagcac 496
```

<210> 204

PA-0020 US

<211> 453  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2503204T6

<220>  
<221> unsure  
<222> 394, 419, 441  
<223> a, t, c, g, or other

<400> 204  
attgatgttg gagtatgctg aaatgcagta tataattcca caggaacctc atcaccactc 60  
tcagttgcac tggatcacc atctgacata ttttcccttt tccggcgttg tagtagcact 120  
gccctctctt tatccaaatt cctaggctga caacgttcac atagatatgt atcaggaata 180  
tgctgcctat caatccccat gcagtcaata tgttgcaaaa cgctgcattt gtcacaacag 240  
atcatgtatc catcatcatg tgtaaaacca catatgcacc tggttacatc agtaccataa 300  
cttccatcct cagatgtgct gattgtagta gcactggaag tttcatcaaa attaggagtg 360  
gtaaaatatgc ctacttcatt tttgctaata agnctgatg gaggagggga agcccggang 420  
tgtcggagga gggacgagca ncattaatta tgg 453

<210> 205  
<211> 240  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1849962H1

<400> 205  
cggttctttc cctgggttct tgagagagag aaagtcagtg tcttttgata caagttagag 60  
cagagaggag ctgcatgaag acttgaaaaa gcaacactga taggcataag gaggctgaaa 120  
ggagacttga gtaaattaaa tttattgcat ctccatatcc tgcagatcta tccaataaag 180  
gagagaaaca accgcacacg cctggctctc atcatatgca atacagagtt tgaccatctg 240

<210> 206  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2078863F6

<220>  
<221> unsure  
<222> 327, 340, 381, 384  
<223> a, t, c, g, or other

<400> 206  
ggggagaagc tgctgctgcc gccgttgccg ggagccgcgg agacaagtca ttacgttttc 60  
attttctaca actgggctga gcacaactga accatggggg aacacagtcc agacaacaac 120  
atcatctact ttgaggcaga ggaagatgag ctgacccccg atgataaaat gctcaggttt 180

PA-0020 US

gtggataaaa acggactggt gccttcctca tctggaactg tttatgatag gaccactggt 240  
cttattgagc aggaccctgg cactttggag gatgaagatg acgacggaca gtgcgggaga 300  
acacttgccct tttctagtag ggggttnaag aaggctttcn acctggatag atcatgaagc 360  
aatgtcccca gggttatgtg nagnacattt atctca 396

<210> 207  
<211> 277  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3218325H1

<220>  
<221> unsure  
<222> 18, 97, 107, 130  
<223> a, t, c, g, or other

<400> 207  
ccttgtgcaa taccagangg ctaaaaaaca ttagcaagca tctaacctcc tgaaactggc 60  
cattttcttga cctgttcctc ctgttcaagg ctcccnttc tggattngac caacaagttg 120  
aaggatgacn ggggttttgg tgatgcccat gtgtaaagat cctctctggg gtttattaca 180  
caggcttgta cagcgagatc tttcatcat cctgctgacg attgacaggt acctggccat 240  
cgtccacgcc gtgtttgcct tgcgggcacg gaccgtc 277

<210> 208  
<211> 443  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2927175T6

<220>  
<221> unsure  
<222> 23, 29, 32, 62, 75, 97, 107, 110, 166, 210, 227, 230-231, 237-238, 243,  
245-248, 251-253, 257, 260-262, 276-277, 283, 311, 317, 359, 434  
<223> a, t, c, g, or other

<400> 208  
aaaacaacat ttctatgata cantttggna anacaaactt taagaaaatc ttcaagattt 60  
anaaaggttt aatanttagt acaatgcaaa aactganttt aaatacnan atgcacttga 120  
caacatacaa ggtcaccaatt atttcagttg gtaggatagc tctggntaaa ttcaatggtc 180  
attttttgct acaaaaatata atttaaaatn aagatcacag agattangan ntaactnntg 240  
cancnnnnac nnnngctntan nntattttgc agaganntct gancacttta ggaaaccaga 300  
atgaggaaaag nggacangag agatcatgtg actgcttcac cctgatcaac ctggggcana 360  
agcaccggc gtccctccca ccgcctgcc ctggtcagcc ctatgatcca catcaaccat 420  
gtcctttgtc ctanaaaactc cca 443

<210> 209  
<211> 532  
<212> DNA  
<213> Homo sapiens

PA-0020 US

<220>

<221> misc\_feature

<223> Incyte ID No: 1997874T6

<220>

<221> unsure

<222> 335, 354, 407

<223> a, t, c, g, or other

<400> 209

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gtttcataga aacaacttac atttgccaat ataaggcaaa tggctctatgt acagatacat 60
caggactgcc taactgacag tgagtgttgc tagccaggct ccaagctaata ggagctaata 120
cgggtggagct ctctgctgaa tggactttcc cttcaggata cgtcggatct gttctccac 180
agggccatcg ggaaccaaat gcactggctg ttcgttctcc aagttccgag tacttgggtc 240
tgctcccttc ctcatacaaa ggccgacagc atctaattgt gtcaaccgat actgcaggct 300
ggcagcaaca tggaggggcag tgttgccatt gtaanccttt gcattcacia aagncaggca 360
actgggcagc tccaaaaaga ggcgaatgag ttccagattt gcttctncag ctgccaaatg 420
caggggtgtgc ggccactttt gcgatccttc gcttccaccg ctgtcccat tgaattaggc 480
acttaatggt atcaaccaga ctcttaattc ttcagtaaaa gtcctgaac tt 532
```

<210> 210

<211> 538

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2660871T6

<400> 210

```
gcactctaata tcaaagtctc ggcattaaca tatattttgt tgatctgggt gatgatttta 60
aaattatttt tcctttgtat tctttaccta cggctaaatt tctaattctc aaaatgccta 120
cattcatttc atttaccta cattttatct tactcatttt taaagccttc aacatttttt 180
gagttttgaa ataattctca atttcttagt ctcttaattc ttaaatttaa aaaggttggt 240
tcttaccttt taaaattttt aaaaataatt atgtcaagta atttttgaat atagtaacct 300
gattctacat ttctcatggg ataaattcta aggtaaaaaa aattgcaaata aatctttaa 360
ctttatttag taggtttatt attagcagca gatgtctagc cagggtagat tacttttata 420
agaccaacct ctcaccaaca actactagaa gagctagaga gggagaaaag tctatttgaa 480
gacatcaagg atttgatgag ctaagattgc agagagaagg gaagtatggt gaaacagt 538
```

<210> 211

<211> 54

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2907049T6

<220>

<221> unsure

<222> 20, 34-36, 53

<223> a, t, c, g, or other

<400> 211

```
gggagctcaa tcttcagggn aacagctcaa agtnnnaagt attcatgtaa gtng 54
```

PA-0020 US

<210> 212  
<211> 521  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3149004R6

<220>  
<221> unsure  
<222> 499  
<223> a, t, c, g, or other

<400> 212  
aaagtgcgca agcaaattta ttaacctgct gggctgctct acagaaatct gaggaggcag 60  
acaccgggct tacaggctaa ggggtataag taggtctgca ggggttttgt gtgtgtgtgc 120  
gggggtgtcg ggggggcaag gccatttgtg gagacttttc ctcccagtat ggccacatcc 180  
tgcagtttgt cagtttttgc ccccgcttgg ctcaggggtac caggatgtgg tttagcttag 240  
gggtggttat agtggcacct aagttctggg aacttgccgt gggggcgacc ttttgacga 300  
aaaataagct gcagggcagc taggggaggg ggcttgttat attcctctgg gggcaggggtg 360  
tccctaactg ggctcagtcg gaaggaactt gaccaaagtc tgggctcagt tgggcatcac 420  
tgaggctaata ggtcgtgtgc tggatgccat cagagggaag taccaatggt aaagtggaaa 480  
caatgtgcag ctttcaacng ggtggaggct gctattctgt g 521

<210> 213  
<211> 246  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3269702H1

<400> 213  
ggagtgggag ctcaagcagg attcttcccg agtccctggg taagacaacc ctgcttcttt 60  
tcttggtttt agagggtctc cttgtttaat ggggaagcgtg cagcacctag tgagtggatt 120  
tgaagagcca ctttgtaagc aacttgggca tttatttcag ccccagttcc agtcttcct 180  
gactcttttg gcatcaaggc atcctcagaa gcttcaactc tggaggcaat gggtcgaaa 240  
gaagaa 246

<210> 214  
<211> 264  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1929661T6

<220>  
<221> unsure  
<222> 189, 196, 201, 206, 213  
<223> a, t, c, g, or other

<400> 214

PA-0020 US

cacgtgtata aggcacaggg gcaaattggct ttgggggtcct ggaactggaa atggagacag 60  
gtgtgtctca ggtgtccctg cctccaccac cccctaagtg cacttgagac aggaccagtg 120  
gtgggtgggtc cagcccaggg tcctgaaggg tcccaactggc tctagaggag agccatgggg 180  
acagctccnc aggctngaac ntctantctc canctaccca ggaggggacc tctcctccta 240  
gggggcgagg ccagcttcca aagt 264

<210> 215  
<211> 300  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2709044T6

<220>  
<221> unsure  
<222> 16, 30, 58, 96, 105, 203, 211, 217-218, 249, 256, 296  
<223> a, t, c, g, or other

<400> 215  
caggtttggt ttcttngggg ttctcttctn agtagattaa atgttcacag agactagngc 60  
tcaggggact gtccattcaa aagctaattgc attttngcta acaanaagcc agtacaagta 120  
gcaaaaatta tatttgaaga gatactcctt tgaatgacat gggttgcaag ttctctgtca 180  
aataatgcc tactatcctg gtnatatgag nacacgnntt aagttgttta aaaggtaaaa 240  
aaacatggna aaacntaag atgtctaaga tactcaactt ttactctcaa caaggncact 300

<210> 216  
<211> 534  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3254777T6

<220>  
<221> unsure  
<222> 499  
<223> a, t, c, g, or other

<400> 216  
aaactacaca atgtaattca cgtaaccaca aaccagcaac tgcaaattaa gattttttgta 60  
ggtcatgatt tctaaaaaat ccagccacgc aataacagcc tttctaaagc tgactttggt 120  
ttagtgaaac aaaactgtga tgacatccct aagcttcctc cagaagagct tcgacgtgga 180  
gaaacggggg ggacgctcca cctaaccgca ccattgggaa aagaggaggc acctggagca 240  
gaagcttctc tcccaagtgc acaacagagc atcagcgaag gcagtgaaga gagtagcaag 300  
aaaaagggttt aaaatcatcg atgaaaatgg aaattaagct tgtcttatta caattaagac 360  
aaactgacca tgtgcatttt cccacattc ctgtggggaa tccagctcg tttgaacaca 420  
cgccacgaac tcctggtatc cgtaagtatc ccagctcggt tgaacacacg ccacgaactc 480  
cttcgtatcc ataagtatnc cagctcggtt gaaacacacg ccacgaactc ctgc 534

<210> 217  
<211> 531  
<212> DNA  
<213> Homo sapiens

PA-0020 US

<220>

<221> misc\_feature

<223> Incyte ID No: 1452827T6

<400> 217

```
ataacaaaat tcatacatatc aagtaacaaa atacacaaaa tataagtgaa agcaatgtta 60
aagtgccaca caagtttttaa taaattaatg actttttatt tgaagcagaa gaggatgaac 120
cgccctcccc ccaaaaagtc aaaagacttc agttatcctg gaaagaaagt tctagctttg 180
gaggaagac cccccaagc cttcatctc tgaagggcag gatcatagaa gacagtctag 240
aaggcccata gcatagccct gacagtcaca gctgacttat cacgaagggc cattcaatca 300
acctcctcaa tgatggggcc ggtgctgggg tccccctggt gggcttgagc gctacaactg 360
ctgccccag ggacaccagg ccccccatag agcctggaga agatggggcg acagatttgc 420
tccagctcct cttctgatgt catactctc ttctctgcc a gctggttgtg tccagccagg 480
caaaggactt cctgacactt gtcttgact ttgcgctgtc ctcttcggga a 531
```

<210> 218

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3325383T6

<220>

<221> unsure

<222> 360

<223> a, t, c, g, or other

<400> 218

```
aacttacatt ttgttgacac taaatggcag gtttcataca aagactaatc ttttttatta 60
gggtaggaat aattattggt gactttctct gccaattttc caagtgttg taatacatgt 120
tgttactttt taaatgtgtt tttgttactt ttaaaatgaa atgaaaaaga catataaatt 180
atagcataca tgtctacccc tacattttaa acaatatatt cctatgataa ggcagaaaaa 240
ttaacctacc cttccctaac acaaacttcc ctttaatgcc tgtggccatc tgtagatcct 300
gtcctctgtt agcaaaactcc actcatttgc tttttgaagt tgagttcaag atcctcccan 360
ctcctcacct gccccgtcac ccacatctct gcattactgt aggctcactg catgtgccct 420
tcatctgacc ttgaatctag g 441
```

<210> 219

<211> 540

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3220151T6

<220>

<221> unsure

<222> 505

<223> a, t, c, g, or other

<400> 219

```
tggagacaag tcacttagca cctgaagtct ggtactgctg agcaataaaa tagatacagt 60
aattcccacc tccacctccc attaagcaac atgatgaggt taaacagaat aaaactctga 120
```

PA-0020 US

tgtactctaa gccattttga gagaaatctc tttgtgtatc ccaataaaaag gacactccaa 180  
attatttttta tcatgtaatg ccacgataaa aggagcaagc tgcaaaaatct ttaagaggca 240  
actccattgc aaaaacaaaa acaaaaactt gggatctttt gtccaggggt gtcactctag 300  
catctgcctg agtgacagca gttcatcac tcagtctagc tgccgtctgc cctgtggatg 360  
agcaagagcc tcaaagtcta ttataactct aattgctttc gggtatgggt gaactcactt 420  
gaagaaagag tgataaaaaa cttcagtttc tccattatct gtatattcca tcacttaatt 480  
gcaaaaatta atgatttgcc aatgnctaata cattaggggt caaccaatcc ggacgcgtgg 540

<210> 220

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3809026T6

<400> 220

ctagtttttg aaatagacat ctaattttaa ctgcttaaat gtaaatctca tctcagcatt 60  
ttaaggaata gcactaatat gagcaccaaa ttaaaacaaa caaacaagca acaaaaacac 120  
aagcattttac cagaatggac ttttgttttg tgcttcttta aatttttaat atctgtgtaa 180  
gaatttccac ataattcgca gataaatggg ctttctcctg aaaaacaaat tagaagttaa 240  
aatttcaata ttttaaaagc tgctagctaa gacaaaaata tcaatgttta tgaacacaag 300  
gcaaaaatta ttatagtgtt taaatttggg ttcaaattgt cactttaatc acctgggtat 360  
aatatagtga aatgcaagat tctata 386

<210> 221

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 065498H1

<220>

<221> unsure

<222> 122, 139

<223> a, t, c, g, or other

<400> 221

gaaagtagca ggtcagatgg aaaattcttt tccacagccc tgctctccgc ctccctccat 60  
cttaggagcg cctgcctcaa ttctcgtca actgctttgc tccactccat cccacagggtg 120  
tnagtggggg aagtttttna ttaggaatac agtctgcgtg acatggagaa tggat 175

<210> 222

<211> 360

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1417323T6

<220>

<221> unsure

PA-0020 US

<222> 79, 185

<223> a, t, c, g, or other

<400> 222

```
taaagaaatg ttacagtcca tgtaggaagt gctatgatag aagcagctgg agcaccttac 60
cgagctcagg agaccgggng gatggggggg cttgccagag ggcacagcat tgcaagcagg 120
gcaatgaccc agttctaaga cagactcgtc acatggcaag cagagtcggt cagactttgg 180
acaantttat tgactttctt ggaacctcag ttttctcatt tgacaaaact agatggtcaa 240
gaagcgtcta ggattattgg gacacgtaaa ttacataatt ctgacacagc ccccccaact 300
ctgggttctt ggtatggggg aagtttttta gtaaagtga agatgctgtg attagtactg 360
```

<210> 223

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2410888T6

<220>

<221> unsure

<222> 3

<223> a, t, c, g, or other

<400> 223

```
gcnagtcagc aaatactacc taaggacatc tcagatcatg tgacacgcct gaaatggaaa 60
gctcaagagc agatggggga caagaggagg acaaacgtcc gcacgcgggg gtccactca 120
tcatggttac actcctggac atgaccctac ctgatgggaa acttcccagg gaggtgttt 180
aggcagtgac aggtggcagg caggggctac gtgggtcacc ccacagggca cagcacacag 240
tgaagagaaa ggagagagtg ggacctagga agaaactggg gaggaagcaa aacacaagtt 300
ccaggggccg gccatctaac cagatccacc acacaaatgg cagccagatg ccagaggggg 360
agaggcacat cacgcacaat tctcaggaaa cagaaactgc cttacacacc tcaaactg 420
caatttgaca tcaaaaagta tcttgc 446
```

<210> 224

<211> 79

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1552980T6

<220>

<221> unsure

<222> 27, 55, 62, 69

<223> a, t, c, g, or other

<400> 224

```
ttacatcccg gcagggtaaa cagccantaa cttcacgaaa ccaaactcc agtangtcag 60
antgccatng gaaaggtag 79
```

<210> 225

<211> 465

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2507526T6

<220>

<221> unsure

<222> 76-77, 235, 262, 286, 288, 291-293, 403, 407, 433, 439, 441, 453

<223> a, t, c, g, or other

<400> 225

```
aaaaagatgt cacatatgaa ctggggaact ttagcaccaa aatcaagtct ctccatgtcc 60
atctagcttc cccttnntcc ccacttaaaa aaaagaaaaa attaaatcac aaagtccac 120
ttaagtcaaa atcttcgtcc gcttttcag ccttccttcc tgcagacctt cacaaccca 180
ggcaagatta gtcaacaggg gttcagatcg ggaagaaaaa ggttttgaat gtcangacag 240
gtttccccc aaacctggt cnggcaacaa ctcttccaag gggccnngt nnnccccgcg 300
ggggcggtta caggtggaga ggtgccaccg ggaagagggg aggaggaata agtgtggcg 360
gagactgaaa tgagggaagg tgcagttgtg tcgccagagc tancacntta aagttcaact 420
tttttactag tcnaatagnt ncttcaactc acnatatctc ccaca 465
```

<210> 226

<211> 150

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3258109R6

<400> 226

```
gcaaaatagg gtagataatg gtagttattt cataggggtg tgtgcagctt aagggagatc 60
atgaatggac atttctaacc caatgtgaca atcagtgacc aatatgtttt ggctttttca 120
aaccaagaat ctagttgagt ccacagccac 150
```

<210> 227

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1306411F6

<220>

<221> unsure

<222> 32, 88, 200, 208, 223, 233, 266, 280, 285, 314, 345

<223> a, t, c, g, or other

<400> 227

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gggcgggttt gaggaagtta agagaaggta cnatgttggc ctcacccgat gtccactttc 60
catctttatt gacatacgaa ctttcccnac acggaattct tgtaaatgtc tccccctaag 120
aaagaagccc tgaaaatgct gcggaatcca acagatgaag atgttccttg gcctggattc 180
attcttgggc agacccagn ttcagtangg tactggtgtg ctnaccaagt cancgttcag 240
agggtccttg cagccaaaaa cattgntcca tgccaaaggc tctantctta tggctggctt 300
cttaaagctc ctgncaatgt ttatccatag ttgtcccagg aatgntttcc aggatactg 359
```

PA-0020 US

<210> 228  
<211> 504  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 708018T6

<220>  
<221> unsure  
<222> 48, 286, 290, 294, 335, 357, 424, 433  
<223> a, t, c, g, or other

<400> 228  
atgtattggt actagaacaa cttgtatagg gttttatggt ttgggganaa cattttttaa 60  
aaatggactt atctctatta tacagagtta taatataaaa atgatttaaa ggctatatatt 120  
ttcagcatgt aggtagctac actgtaatcc tgttgaagaa actttcctat ttaagcttat 180  
aggatgaaaa tatataatta aagtcttctg atcatagctt gagaccatca agggaaatggt 240  
tagtttcctc cacaagagc caccaggatt ttctcataat ctccnttggg ttcntcctgt 300  
tgattcaaaa aaagggtatac ttaatgttag tctganaccat aattctctat tttttntac 360  
ttatagaaga attattttta gacttagctg tagatgagat tacacattac cattcactta 420  
attnaacaat atntacaaca gataactgat tttttatcat tgcataaaaa agcaatagcc 480  
ttcaagactg agattacca cttt 504

<210> 229  
<211> 619  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1713038T6

<220>  
<221> unsure  
<222> 219, 230, 294, 576, 589  
<223> a, t, c, g, or other

<400> 229  
ctttatagaa aaataaagaa aataaaaaatc atcaataatt ttatcaccca gaaacaatca 60  
cttttaatgt gctggtagag gttagtctat tttaacattt ctgaaatcat atagatttac 120  
atgattgttc tcacgtaacc tgtaacataa gcatttccca agttgctatt atctgttaat 180  
aacagtgggt tgattaattg gattggctgt gtggatgtng aacggaagan ccttgatgtc 240  
aagaagtgct gaagcacaga aggtgcagtc ggtcatttgg gaccatattg tctntggcct 300  
tcaggacagg gagcttcagg actcaggtag atgactctgg aagaaacctt ctcttggaac 360  
tgcagcatct ccctgtcctc cccaagggga atttaggcca ggaaatacca gatcttcct 420  
ctctgatttt cttctcaa atccaatgcaa gacaatggag actaaatacg gttctgggtca 480  
tcaggctctt ccagagcatc cgggtgcatg agaagtgaat aggtgattgt gtctcagccc 540  
caactttgtc agcctcatca gggattagtg ggattngctg ggttctcang gaggggtctct 600  
cccatttccc tgcactcag 619

<210> 230  
<211> 461  
<212> DNA  
<213> Homo sapiens

PA-0020 US

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2226878T6

<400> 230  
ggagtaagag ggggtgggatg gaggacagca gcagggccga caggacccta cttctgctcc 60  
cgctccaga cgatgaccat gccgctggcg tctactggagg ccagtaggct ctgctgcag 120  
ttgaagctga catcaagcac aggtgactg tggccctgca gcttggtgac agcagccttg 180  
gccgcccgt ccacatcaaa gaagtgcacg cacatgtcct cactgcccgt caccacgcag 240  
gccccctggc ggaaggacat gaggggacag aagatgctgc gcacaggatg tgagctctgc 300  
tcgatgggga agcttctctt cagctgcagg gtcccctcgt tgtctaccac cctgtagagc 360  
agcaacttgt tgaggcaagc attgatgagc agtgagggat cccgggcctc gcggctgacc 420  
caggaccggg ctgagatgct ggtcacaggg tcccctcatg c 461

<210> 231  
<211> 86  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3483069T6

<220>  
<221> unsure  
<222> 28, 31, 37, 43, 74, 78-80, 84  
<223> a, t, c, g, or other

<400> 231  
caaatacaaa ttttctgtta agaacggnaa ngtgcanact agnagagtca atactggtaa 60  
ccagaacgca ctantccnnn cacnta 86

<210> 232  
<211> 574  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 405967T6

<400> 232  
tgtcttttcc cacacatatt ccaaattttt taggggagta aaagcagtga aaataacaaa 60  
attatgttcc acatgcccaa gtcacaaaat gtattaaata tgataaagta gcggctgtac 120  
aaaattggac aaattgacaa ataacaatgg gtcaggaaca ctgtatctgt ttgatacagg 180  
agtgatattg aaaaagggtt ctgtttttac tttctcttat ttgtcatcaa aaaagaaaat 240  
tgcatcttcc ataaacagat tccagaaaaa gaaattttatt gttacctctg cgaagttgtg 300  
gatagcttct ggtggttaagg atggtattga acacgtttac gtctgtcccc tttctccttt 360  
ctcctgcttc atacaaggcc tgtcaagaaa cacaaaagta aacacttcac tatctgctga 420  
aatgatattc gcacaataat gttagacctt gtcaaagatt atataggcaa tcgctttgtg 480  
cccaatacaa tcagagtagt caacaataag attgcaagtt ctttaaagat agggacctta 540  
ttttgtttgt caaatatctt ccacagttct ctca 574

<210> 233  
<211> 552  
<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2783681F6

<220>

<221> unsure

<222> 416, 468, 480, 526

<223> a, t, c, g, or other

<400> 233

```
catcaagctt ggctcatggg atctgctgct gcattaaatc gggaaagaaa atgtgaagat 60
ttcatttggg atcacagaaa atgccc aaat gaggtcaaga tggcgagtgg gtgcbagtga 120
gaatgagtgg caaaatgtaa tgaaaacttt acatgaatgc ttatttaggt tggtcaaagt 180
aaaaagggct acaggtcaca gatcgtcagt gcctgagaaa gaacattgac ttactctata 240
tcaattgagg ggaaagtgca gtaccgtcat cttcaagcct tgtaagcata aaagagaata 300
ggctgccc ataatgcaaa ggaaaatgag cccaggcctt gctatgaagc agtgtgtgaa 360
tggaacaatgt tgaatgaatg tctggctcag tgatggagag ccaggttcat ctttgnaatc 420
tagggctctt cactcatgaa gcagactcct agtcctggag tgactgtnta cgagagcgtn 480
gttgtgtgtg cgtatgtgaa cgcatgcaag ctttgattca ccttcngggg ggctgataac 540
cctagtaaat ca 552
```

<210> 234

<211> 599

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 345673T6

<220>

<221> unsure

<222> 567

<223> a, t, c, g, or other

<400> 234

```
gtcggattaa cgttcaaagg actgagtccc aaacaaagag tcaagctacc ttttaagcat 60
ttcgtggggg ggggggagac cttttagggg ggagcatatt acagaagcaa gaaacaaaga 120
cagttattca actgagacat gcattacatc atttcttatt tttcaaggaa caacgtgttt 180
tatgatattga gatgatctgt ctagtgacct tgcagctgca cagctagaga aacagagtct 240
tcacaatgag tgggaaaggg agagagaagg ctactagcc acagaaaaac aggaggttaa 300
ttttaaaagg ctcagctctt ttctcttctt cagggggagt tgggttttct tacatataac 360
tgagtttttg cttacacatt ctttaatttc ttttaattcc tggtccacaa ggcatatata 420
acaatgataa gaataaataa ttgtgtggca gtttatgtag tgcattgtac atcagtgggt 480
tcattccatc tttataacaa cctcactact atccccattt tcacagatga gagaagactc 540
agaaattaag aggtttgaca cagaganggt acctggggca cagcaacagc cttctccaa 599
```

<210> 235

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

&lt;223&gt; Incyte ID No: 2723202T6

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 497

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 235

```

tttgataatg aggatattat aaatcatact ttaagcaaaa atctatgcat gatatatgta 60
agcagtaaca ttttgaagaa aaaagccatg aaagcattta cctaaaattt agtaacatcg 120
aaaaaacta gtttgtgcat agtaatgttg aaagcttcat aatacactag aatactggta 180
agtcttcagg tattgtaaga aaaacctggt acaggaaaag actaaaatta gacacatcca 240
tatccttaga tgtgcacatc atctagaaat aaatcccaca atgtagcagt gcactaagta 300
tcctttgttt ggcacttaac aatacagaca aacgtgtatt tggtttaacg tgattttatt 360
attccttagat acatttttagt tattttatat agataaaaaat atacaatatt gcttttcaaa 420
cttttaattt tataactgta taactgattg tatcatattc atgattaaaa agcctatttt 480
ccactaaaca atttatncag taacatgt 508

```

&lt;210&gt; 236

&lt;211&gt; 435

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3091058T6

&lt;400&gt; 236

```

agaactcagc aagcaccccc acttcctcca aagagtagtc aagtcccaca gcacagcccg 60
gagcagtagc tgttaaaaga caagggtctg gctggatccg gccaacatta caaggacaac 120
caactggctc cattccttag tcttgtgctt ttaaaggcca gagcatgtgc caactatttt 180
aaagctccaa cacactaatt ctgtaaacaa taatagctac agcctgcaca ctgcgcactg 240
gaatggattc ctcaacttgg cctcatcact tatgcagctg atgaaacaaa cactgacagc 300
ttttttgcat ttgtaaaggc cccacagcag ctgtgggtgat cccaccatag agcaatgaat 360
taagcctgaa acccagctgg gtctgaacag aagccttttt tgcacaatac agcaagacta 420
tcattgttaa cctag 435

```

&lt;210&gt; 237

&lt;211&gt; 512

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2762254T6

&lt;400&gt; 237

```

agctggaaaa aagtagtccc aaaacctaaa ttcaaaataa aactatgcaa cataattttt 60
gagttgacaa ctaggcttga tttagagaaa gtaaacadat tttcacctct atcattattc 120
ttttgaattt cttatgagat cgagaatgaa aatgtataat ggtacaatat tcttcatgtt 180
ataaactctt tctctactgt acagaaatat atcttataac tatatgtcac ttacagtat 240
ttaaaaatag tttcacataa tctcctttga tatatgaaag cacaaaatat tagaaatgtt 300
ctagactaat caagcgatat aacatctatt tgccatgaaa tgcaagttag tattttatca 360
atagccaata tttagtatcc ttgcactcca cagtacaaca ataaagatta tatatttgta 420
aagattcagt aatattttta gctatttggg tcatgttcca ctgcattttt tataacagct 480
tctcaatgaa tttctgcca gcatatcgta gt 512

```

PA-0020 US

<210> 238  
<211> 203  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1501582T6

<220>  
<221> unsure  
<222> 183  
<223> a, t, c, g, or other

<400> 238  
tacctgcagc acaaagcata cgtcttttct atacaaagcc aacaagcttc tgctcctttc 60  
tgaagtcgtc ttgccaagc aggggtgttg gggcgggggt gaggatagg gtgaggggac 120  
atattaccgc gttatgctct tacgtactaa ccttcacctt gacaaagctt gtcaacgaaa 180  
acnaaaccag tcagagcctt ttc 203

<210> 239  
<211> 503  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3282967T6

<220>  
<221> unsure  
<222> 275, 444, 446  
<223> a, t, c, g, or other

<400> 239  
ccttcatacg tggcatgcc caattccaaa gaaaaaaaaa gagggggata aagatcacat 60  
ggagtatttc tggaaggatt cacaaggaag ttctcatcac tggctacact tttcaatttt 120  
gagccatgtc agcctattac atatcttaaa aaactaaagg ccaacttcta agtagggagc 180  
catggagggg cctcagctga gaagaatgaa gaggacatca ccgatgacct ggagctgctc 240  
caagacgctg gccatactgg gggctgtgaa ctgangggcc gtggggggat gagctgtgag 300  
tgaggctcat cctacccagg ccgggtgggg gccagctcc acccagggat atagctggag 360  
gggcaggatg ctggcactgc agccgaccag tatctcccat tcacagtgtg ctgctggggc 420  
atggcctgct tggccaggca cttngatc tcggagcttt ccttctcgtg gttctcacca 480  
aaaaacaagg ggagagagca caa 503

<210> 240  
<211> 180  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1966576H1

<400> 240  
gtctgaccct gcaccacttg gtgggtggaga tcaagggggt gcttggactg cagcacctgg 60

PA-0020 US

gccgagatca cagtgatggc atctgtttga atgtgctggt gacogtggct tttcggagcc 120  
cagggatcca ggatgaaccc ccaaaagttc ggggtgagaa cttctcttgg tggaaggtga 180

<210> 241  
<211> 561  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1859155T6

<400> 241  
atgactcata ttacaataaa aaatgccatt caagaacttc caaatactat agtcacgaga 60  
ataaaaaaga aactaaatth cttctaaatc atctttgtgc cactaccata tctgataata 120  
tattccttct gtactcttga aacctatctc agaagtatct ttgacaaatt ataatgttag 180  
aagaatttaa gaagttaatt aaaattatth taatataatt tctcctttat tttataaaca 240  
aaataccagg gaaaaagttc catttattta cctcagtaat tggctgccct tgatgtgtca 300  
aatccagctc ttgagggcgt gttactttat caatatccaa agagtccatg ctggagggtg 360  
cggaagtgat gctggaatgg gaggaattac taatagagtg tacttcagca tcaactactg 420  
tgcctgctga cgcggttctt ctgtgctgat tagttactaa gggtttagta tcttctagta 480  
cagattgctg agcagcctca tccatactca aagaggcctg ttctaactgt gcagtgacgt 540  
cgtccaagga gtagctggca t 561

<210> 242  
<211> 510  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2652949F6

<220>  
<221> unsure  
<222> 47  
<223> a, t, c, g, or other

<400> 242  
atttgagta tctgtaatth gtaatcatgc tgacgcttct cctttanctt ttaaaatttg 60  
cagtggctga gaggactact aactagtaga cagagtttth acatcatatt tggatgaatgc 120  
ccatattgta gtaaggtaag caaattgtta atcacatctc ataaaatgtg cctagctttc 180  
agtaatatgt tctagaagat agatctatat agtatatcag tttatctaaa acttttgaaa 240  
ctcattctct gtatttctat ttttcaaatt ctctgatcaa aaacattaaa ctccttttct 300  
agatttccta ggtgatctga aacttcagaa gtgttttcca aactgtacta tgacactatt 360  
ctatgacact atttctagta caaagcaatt ttatttttth gagtgtccac aaactttgtt 420  
aaaatatgtt ctcttttthaa aggccaatta ccttaaaaaat ggtctgggaa ggaaacactg 480  
aaataagaat acaacattcg ggtgaagagc 510

<210> 243  
<211> 642  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature

&lt;223&gt; Incyte ID No: 2589371T6

&lt;400&gt; 243

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tctaaaatgg cagagatttc aggaaagtct aatcacactt gaccatgagt gttgagttgc 60
ttttccttcc tctgaggcca agagttactt atatccaaga ccgtgaagaa ctctttttga 120
cctgttggtat atgatcttgt gactgggtcg aggaaaatga actcccaggg ttgttgaggt 180
agagctgttt ccaccaaag acagaactgt atgcagctaa taagagctcc agcacagtga 240
agatgagcat caccactagg acacctgtta aactgacact ggtagcagga caatctttga 300
tttcatatat tggataatag tactccgaat aaggcaatga ggatagataa tccattttctg 360
agccacaatg ttgagaggca gtcctcaggg ctaccatgct gtcagcaagg aggaagaggc 420
ctgctcctgc agtaacagaa ctactgcat ttgaggtcaa gctgctcagg tcaaagggct 480
tagttgattg ttttccagag ataattgaga gggatccagt aatgccaaaa cacagagctc 540
ctaaaaatgg gtaccagac atcaaagtgg tggaaattgc tggattgaag tgggaggggt 600
agggagcaaa aaccaagatg ggccccaga cttgaaatca ac 642

```

&lt;210&gt; 244

&lt;211&gt; 558

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1714938T6

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 390, 435, 522, 546

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 244

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taaagagttg tgctattcaa caaataaaact tcctcttccg tttcttctct ctctcatct 60
gtgagattca gttgaacatt attgaagcgg ggtcttggtt tgccgtctgg gccatatgcc 120
ggaggatata tttttttgtt ataatgccaa ggagggccca ttgtgagtta caaggcactg 180
cctcagtcctc agcttttcgga aaatatccac cacgatctcc attgggggtgt ggtctgtcac 240
tgtaaaaggg ctcattgtcaa gaatgcttcg aagcttcaat ggccgaggac tttctgctgg 300
aagagatggg gtgtgctgtg caaaacacac ccgagaactg ccaacgatac cttcttgttt 360
tttcttgcca ctttctattg caattgtcan gtctcttctg agggcaaata ccactaatct 420
ctgagattct tttgncatta tgacaggaaa tccattgtag ctggtttcat taatcatgtt 480
ttctatatca tccactggtc atattgtcct gtgtcaggac anctaattgga ggatcattcc 540
ttcgangtct cataacgt 558

```

&lt;210&gt; 245

&lt;211&gt; 480

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2641714T6

&lt;400&gt; 245

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aatgtcatca acaagtaaat gggtaaatga attgtggtat atccatacaa gggaatatcc 60
aacattttaa agaattgaatt catacgagca tcaagatgga gacatatgaa tctcaaaata 120
attatgcaaa gtgaaagaag ccagacaaaa aaaaaagaca tactatatga ttccattcac 180
ataaaactac aaaatgcaaa atgaaagccg attggaggtt ttctggggag gagtcatcag 240
gaggagcatt gtgacacttt gagggatgat ggatatgttc actctcttaa ttgtagtatg 300

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PA-0020 US

catgttctcc acaaggtgtg aaaacttatt aaatagtaca ctttaaatat gttcagttta 360  
ttttatgtta attatatctc aataaagctt ttaacaaaag caaacatctc ttgcctacat 420  
aaggatgaca cagctcttaa aaaaaaaaaa agattcctgc tagatttgtg gcagcaaaat 480

<210> 246  
<211> 436  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2842285T6

<220>  
<221> unsure  
<222> 22, 172, 401, 413, 423, 430  
<223> a, t, c, g, or other

<400> 246  
tataacattt ttggcttggtc anaccagtaa atcatgtttt tccactggac aaaggaagct 60  
gaagaaacaa ctggtgaaca aactaaatgc tgtgacatga agcatctgac ttctaagtct 120  
gagtatttag ttaaaatgat tgggtgaacat ttaactgggc aaaaggaatg gnatccatca 180  
tccaaacagg ctcaactccc ccagccccc aaatgaacag tagttttaat agcaaaagat 240  
ataaaaagtt tttttctttt gattcttttag agccaactgt gaaagaggtc agcaatacat 300  
taacagcagc aatggacaag gaagagcaaa atagaggatt aaagtatctt gctggacgtt 360  
tgttcatctt tttctgtatt agcctgaaaa ctgcaactgg nttatggaaa ttnccggtgc 420  
atntgtctcn ttagat 436

<210> 247  
<211> 319  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1376538T6

<400> 247  
gaactgcaca ctacttcagt ggaaaaaagt tcaatattgt gcaattttct gcctcttaat 60  
agttaaaaag tggcagcaat ccctgcattt gtgtttgaaa caaggatctg agaaacttta 120  
tcaaaaaagg taatgaaggc aaaaattggc agacatccag catcttggtt ctttttaaaa 180  
caatgtggat gataagtaat ttcatgatta aaaatgaatc ttttaataa atacattgta 240  
tctgacattt gcaactgactg atttgataaa tctttaagta aacaacggct ttactacact 300  
ccctgtagct caagccact 319

<210> 248  
<211> 641  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 154741T6

<220>  
<221> unsure

PA-0020 US

<222> 224, 227, 229, 384, 611

<223> a, t, c, g, or other

<400> 248

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catatgttat ttcctgtggt agtgcagcct cggggcaagg gcgcgttccc tatcgagga 60
tcacttgcta tggtaagccg cccaccctgc gcgctcctcc gcgcggggaa gaacctgcgc 120
ggcaggacgt ggtgttgag ttggggcgcc cggagcgtgg agtggggaga cctgatgcag 180
agagtctgga gtcggagctg ggggtgctgc aggtaggagc aggntcngng cggagagga 240
ggcccgaaga agacccaca caggttggcg cacggggctt ggggaggett cagcccagaa 300
gtggagaggg ttgacagacg cctgcctgat tagaaaaagc cgggagcttg ggaaggagac 360
gggattgaag aagccaccgc gcanggagc cgaacggccc agagctctcc gggtaaaacc 420
cgctgcggt gatctggaa gtgtgtctcc acctagccct gcgagcagcg gccttcctcc 480
cgcccgttag aaggcgctg tgctggagta cgaacccggc ccagagaagc cactgcacct 540
tctttgtcac ttaaaaccct gtcccgaacg cggatctcac gtctagaact ctgtctttaa 600
agcggatgta nagcgcgttc taaccgttcc ctaaccattg t 641
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<210> 249

<211> 199

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1502915T6

<220>

<221> unsure

<222> 161, 173, 185

<223> a, t, c, g, or other

<400> 249

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tatcattttc aagcccttac ttgtctactt ccactgttgc ccataagtat cctgataaaa 60
ttcctggttg tcattattgt aaccatagtt accagaatag tcaccacctt gctgaagcgg 120
ctgctgagcg atgggttggg aaccccagtt ctgttggttg ntggtctgac gangcttgga 180
atcangctgg ttgtaccca 199
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<210> 250

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1488759T6

<220>

<221> unsure

<222> 29, 76, 119, 126, 140, 146, 187, 194-195, 263, 282

<223> a, t, c, g, or other

<400> 250

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ggggaacaca cagaaatgga tcggaacana atggagagag acggaggcgc tgtaactaca 60
gcaacctaca cgccangtat ctoggaggag caggctcctg cacacgcggg ctctgtgana 120
ccaganggtc tatttggtcn caatantgaa gggcatctag aattagctac agtaagggaat 180
cgaaagntgc ctgngaatg ggcacagaac ggctgcgtcc gaaaatggcc tgtcacttgg 240
gaggggtggag ctgctgggtc ttnotgttga ccactgtctt gnaaaaagtg cacagggg 298
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PA-0020 US

<210> 251  
<211> 597  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 393928T6

<220>  
<221> unsure  
<222> 539  
<223> a, t, c, g, or other

<400> 251  
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tagaatgata aattatcata tgctttgcat atcagagctg gtatcacctt tcccataggg 120  
aatgctgcct gaaattaaca tattcccaaa ggtaaaatgc atattctctg aaatgcattt 180  
tattatgaca atggcatgta ttactcata aaaacaataa acacagacaa ttctacacta 240  
gctctcaatc tgtggattta aaatttcagg ttaaaatcag ccatccacct tgtataggga 300  
gaagagtctt gctagtgttt acaataaagt gattccttgg gattagaaat agtaatgctg 360  
tttttttatt ttgaagtggg ttctacttat gattgggttt aattctggca ttcatcttg 420  
ccaactacta tcctgtttta gcaatgttgt cagctaaaag gaatttctga ttaaaactaaa 480  
gtgggtccagt gataagtaca tacacaccct actttgaata atcccagcca attggagana 540  
atgctaccac accttattaa ctaatgtaat aaatctccca ttcatgggtc ttttgct 597

<210> 252  
<211> 494  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2219992T6

<400> 252  
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gagggtcacc cggcatctgt gaggacggct ggggtcaaggc cataagctgg gatctgtaca 180  
agggaaacat tcatcagaat gtgacccacc tgaaacagga gggaggaaaa tctttaaaag 240  
tcttacaggt aaggtccctt gccccgaaaa aaaaaaacct tcaaaataat aagggggtaa 300  
tgtacatttc tcaccagtc ttggcaccaa ttttgctgtt taataaatat actccactgt 360  
aagatttact taataaaaag tactctacag cagctgttta aaacataatt cttacagaca 420  
aatatatata tatgtatgta tatatatata acatttttaa caaataaagt catctattgt 480  
acctgtgcag aaat 494

<210> 253  
<211> 521  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2816984T6

<220>

PA-0020 US

<221> unsure  
<222> 421, 497  
<223> a, t, c, g, or other

<400> 253  
actgatcaca gctattaaat aacaatgcac caaagtttta caatatttga acatctgcaa 60  
atgtagagct ttctggtagt acacaaattt gaatacaaat ggaagttcat tgaatattag 120  
gtttatcagt aagctagggg aaacaaatta catacattgt ataggtagta acctatgaaa 180  
aaagtggaga ttaggtaaaa attattaagt gaaattattc atatgctttc agtttcatct 240  
ttctcctggg aaagcccaa aacaggcctc tggaaaacca attcataca tgtacaaaat 300  
ggcatctgct ctcaaataga tatagctttc cttcaatggg agataagtca cagacgtatc 360  
tcagacattc atttcatgca taaggatttt tgagacatct attccactga aatattataa 420  
nggagtctac aaccactcta ggaaaaaggc acttcactgt gaaagttgga ttttaattacg 480  
tcaagtgtga gctaggnatg actcaaaatt cagtattcat t 521

<210> 254  
<211> 468  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 452209T7

<220>  
<221> unsure  
<222> 178  
<223> a, t, c, g, or other

<400> 254  
ccatagaaga atggtaatgt tgtatcagtg catgttctat ggaaaattca tatctcaagt 60  
aactagccta gaaatcagag acagcactat gtcaagctag tatacaaggt caaagacaca 120  
atgctgccaa tgcaattagt atatagaaat aatacgcacg tgtagaaaa agtctgtngc 180  
caagtggata aaacagtagc agtgcactgc actgacatcc agaacagaaa atagggaagg 240  
accagagaat gcacttctcg caaaaaaaaa gtccagtaga tcacaagcac aaagagttcc 300  
caactgtctc accagctctc taactcatgt gtacctgcac cttcctcttg aaatctgaac 360  
attataatac cacaagccac tttcagcctc cagtgggaag gctccagcca cagcccgata 420  
tttcgtcctg cttcccgctc tctcatatct aaaagtcatg gcttaagt 468

<210> 255  
<211> 261  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 638749H1

<220>  
<221> unsure  
<222> 169, 195, 199, 231, 248  
<223> a, t, c, g, or other

<400> 255  
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cacccttgtg gggctgctgc tccagcggct tgcagctaga ctgggagtg ttactgggct 120

PA-0020 US

gcacatcttgct gaagtatgtc accgtcagta tcccaaggct ccacgagtna tcctgtggct 180  
gatgggtggag ttggntatna tcggctcaga catgcaagaa gtcattggct nagccattgc 240  
tatcaatntt ctgtctgtag g 261

<210> 256

<211> 634

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 640841T6

<220>

<221> unsure

<222> 117

<223> a, t, c, g, or other

<400> 256

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tcacgatgac ttcataaaac taaagataaa tggtatgagg aaacttcatt taacgtnaat 120  
ggtaatgtta gatactgtat ttttccatgg taaaatacaa cttatcttga agagaaaagca 180  
aatagttcag atcagggaga catgctgagg ttttaataaa gaaaagcttg gccttgtcca 240  
gaacacttaa caaagttcag gacaatttag gtaaaagaga tgagtggagac accagcgta 300  
ggcagggaca taggtcatc attcaggctt tatgtacatt actggatcta tgcagctctc 360  
accttttagat aagtggagta tttttttggc agagggatct tcaaaagtag ccttggatat 420  
gaggaatcgt attttaacca ccaggcagtc caaggaatta tttttaaaag gacagctgag 480  
tatttcacgt atatactatt aaggcatcta aatttttggg gttttcagta tataatttta 540  
ctgctacttt ttattctttt ttttcatatt gtacaactat gatattaggt ttaagcgacg 600  
taattctttc tctactagtg gaccagttta tttc 634

<210> 257

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 740878T6

<220>

<221> unsure

<222> 211, 214, 218, 292-294, 299

<223> a, t, c, g, or other

<400> 257

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ctcccccttt agtaaagctg gttgggcaca tttgctagga tctgtgggtt tcatcacttc 120  
aagccttact gcttaaaaaa atgaggttaag aaatttctat cggaaaagtg aaactgacac 180  
ataaaccaaa ccaaggtctt ccctggctgc ngcngcancg ttattgctct aagttggagt 240  
gttctgtttg cttttattat gtattcggag tccttattgc cattctggct gnnntcgtng 300  
ttggccaagg agaaatgatg gggaaggagc tcggtcgcct gctcccagct gctcagtcct 360  
aactttctgc ccgcatgcg cccgtcctac ccttgctggg agccagctct ggttctgggg 420  
ccccagggcg gctctaacac tgggagaggt ggtg 454

<210> 258

PA-0020 US

<211> 519  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 779073T6

<220>  
<221> unsure  
<222> 158, 315, 439, 506  
<223> a, t, c, g, or other

<400> 258  
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cccagctcac ccgggtggag gctgggagct gaaaccgaac ccaggcagga gatgggacgac 120  
ggcggagggtg caaggcaggg cagggcgac aagacgangg cgcccgggcg ggggtggatta 180  
gaggtcactc tcgccgtaca gcgccgtgga gaaggacatg tagtccagag cacctggcac 240  
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cagctcgcgg cgcantcgtc catggtaatg tagttcttgt cccagccag gatcttgaag 360  
gaagccatga cttggtctgc tgtatctgtg tcggctgtct cgcgggacat gaagtcaatg 420  
aaggcctgga atgtcatanc cccaggcgg ttgggtcca aatgctcatg atgcgggcaa 480  
attctgcttc tcctgggggt cttgcnatat cataacca 519

<210> 259  
<211> 464  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1445310F6

<400> 259  
gagaagaagt ccctcaacca gagcctggcc gagtggaagc tcttcatcta caaccgacc 60  
accggagaat tcctggggcg caccgccaag agctggggtt tgatcttgct cttctaccta 120  
gttttttatg ggttcctggc tgcaactcttc tcattcacga tgtgggttat gcttcagact 180  
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ccaaaaccag tgaccgcatt ggaatatata ttcagtaggt ctgatccaac ttcgtatgca 300  
gggtacattg aagaccttaa gaagtttcta aaaccatata ctttagaaga acagaagaac 360  
tcacagtctg tcctgatgga gcactttttg aacagaaggg tccagtttat gttgcatgtc 420  
agtttcctat ttcattactt caagcatgca gtggtatgaa tgat 464

<210> 260  
<211> 513  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1806435T6

<220>  
<221> unsure  
<222> 487, 502  
<223> a, t, c, g, or other

<400> 260  
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 ttccaggcgg ttcaggaggg tgacacacac cacggccgct tggaggccgc agggctgcac 180  
 atggcggcaa acaccgagga ctccatctcg atattgcgga cgccggctgc ataggctgcc 240  
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 tgcccttcat agaagtccaa ggtgcacatg gtgttcccaa ccactgtggt gaactcgctc 360  
 agctctgcag aacacagcaa cagctcctgc accagcttct tgtaagggtc cgttttccgg 420  
 atgaccgct tccccaggac aatctgctca aactctgcct tgaagcagggt atccactgcc 480  
 tgctctntta tgaacaaagt gnggggctca aga 513

<210> 261  
 <211> 487  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1859340T6

<220>  
 <221> unsure  
 <222> 263  
 <223> a, t, c, g, or other

<400> 261  
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 cctctcaaag agtttttgca tttgctgttc ctgggtgcaa aaggcaaaaag aaaatctaaa 180  
 aatagtctgt gtgtgtccac gacatgctcg ctcccttgag aatctcaaac agccagaacc 240  
 atcccgtccc acggactgcc agncgccagg acggcttccc ggtgcctctt tctcgaccat 300  
 tttcacttaa aagcactgtg agtagaatta gctgtgccgt tgctgccaca agggaggcag 360  
 cctggtcaag aggcgtggtt tgggatgcaa taaggccact gcttcttggc cactttcctg 420  
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 ctcagtc 487

<210> 262  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1889671T6

<220>  
 <221> unsure  
 <222> 376  
 <223> a, t, c, g, or other

<400> 262  
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 caggacttgc tttcttgcat tagtcacaaa gcatgtgaca atctagaaaa cttcaaaaatc 120  
 aattacattt ctttgaaaaa ggggtaacag cagttactga tacatcacaa ctaataaaact 180  
 tataatacaa gtttcctgac atgcatttcc tgagtgaacc caaatgatca ttttttaaaa 240  
 caaggaagtt tcgacagttg aagtaaaata aaataattca tggcttctaa gcaacaagtt 300

PA-0020 US

ttgttttttta aaaacccaaaa gaaaattcag aacagttttg taataggata aattaaaggt 360  
atgctaccac atatanaact ttgctacagt cagttaagta ttatacaact tttcaaacta 420  
aaggaa 426

<210> 263  
<211> 421  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1908860T6

<400> 263  
ttcaatttct cccacgtcaa gagaaaagcc aacatgcttt tcctccaatg cataaaagga 60  
acttccatag ggctggcagg agtcaggctg ttcaagacaa ctggaaggag ttgaataaca 120  
tctatccagt gagtccctgca agacttcagg ctctactacc tccagcagct ccctgctgag 180  
cctggggcat ggtgggcctt ggtcttcttc ctcttcttgg tcctttttta ttctgtccac 240  
gtcaagagcc aagccaaggt actgttcctc caatgagtaa acagcactgc tgtagggctg 300  
gcctaagtca ggcagttcaa gataacctga aggagtcgaa taacatctac ccagtgagtc 360  
ctgcaagact tcaaggctct ttctcatcca gcagctccct gctgaagcct ggggcatgat 420  
g 421

<210> 264  
<211> 224  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2447337F6

<220>  
<221> unsure  
<222> 87  
<223> a, t, c, g, or other

<400> 264  
ctgcctggg ctgtttcccg gcttcatttc tcccgaactca gcttcccacc ctgggctttc 60  
cgaggtgctt tcgccgctgt ccccaactgc gcagccatga tctcctttaa cggacacgca 120  
gaaaattgga atgggattaa caggatttgg agtggttttc ctgttctttg gaaatgattc 180  
tcttttttga acaaagcact aactgggcta ttggaaatgg tttt 224

<210> 265  
<211> 552  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2452210T6

<220>  
<221> unsure  
<222> 465, 503, 515  
<223> a, t, c, g, or other

<400> 265  
aaccaaactt atcaagcctg tgcttaaaca ccttaggaaa aaagacgtcc cactttctgc 60  
accagggcct ctacagcacc agaactgcct ttccccagc tgaggcctaa ggggcagtag 120  
cccttctgca cagggcctag gggaagggtc tcagcaggag gtgggtcagt ccatatgccc 180  
cagggagcag aagcagctcc gtcgggcagg aagggtgatg gtgagcagat aggacaggac 240  
gcagtccag aaqtgctcag gggcaaggca ggggaatgtg gtccctcctc tgcccagacc 300  
ctctgacctc tgagcagggc ctgtcatgcc tctgggtgct agagcagaga cccaggcagc 360  
agcagcatgg ggtggccaat ggggcgggtt ccacaggatg ggagataggg cctcccgtgc 420  
cctgactccc tgagggtctg gtcagtcgag atgggtaaac tggtngccga actgccgggc 480  
atcgtaaagt ctgtagcgct ttnacgtgga tgcgngcgga cacggtcccg cagtttcaaa 540  
ggtctcctca tc 552

<210> 266

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2497145T6

<220>

<221> unsure

<222> 235, 257, 327

<223> a, t, c, g, or other

<400> 266  
tgctaattag gcaacctgtt taagcagcta ccaaaaatga aaggcaagaa atgaaaggag 60  
gacaaattat tggtttaaag ctatgatagt cttttgaaac gatgagtaag ttctctgagt 120  
catggcagca tgatttaaag ttgaatttag aatcaatgaa ggaggagtcg atccactttc 180  
cagtcctggc ttccatcagc attgtccttt ttaagaaata aggtggctgg aaggncctcc 240  
agaagattct tcttcctctt ttgttcaggc atataggacc atggcttccc acacttgtgt 300  
aaacttctct ttgctgacag tgttgangat aatgtgattt gatcatactg tgtgcccctt 360  
taaattgtcta aaact 375

<210> 267

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2612839T6

<220>

<221> unsure

<222> 97, 103

<223> a, t, c, g, or other

<400> 267  
caaagtttta tgaccagaa tgaacaaaa caaaacattg gtgttattga gggaattaaa 60  
tctaacattg agagaaattt ggatttaaga aatatgntat ttnaaaagta tgttacagta 120  
ttaacatctg gcaatatata atctattcag tcctttctag ccatttggtg gcaagaaata 180  
ataattaaat tttttattaa aacaaaactt tttacattgg gagttattaa gagcgctcc 240  
ttttggtgta ttcggtttaca aataaaaaat aaatatattt ttgcattttt attgtgcttt 300  
atgttggttg ctttatgttg ttctcttggt cttacttccg agttggagat gggaaagtgc 360

PA-0020 US

ccaatgaaag aaatataaaa gaataactaat tggaagctga acaattatTT tgctttataa 420  
gggaagtcct gcaaagtttg tcatacagtt acgtcactat aaacccaaat acaatccatt 480  
tcacttttcc atttgaagac ttggaatgta tcatcatc 518

<210> 268  
<211> 318  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 508735T6

<220>  
<221> unsure  
<222> 116, 313  
<223> a, t, c, g, or other

<400> 268  
tttatttcat tacaggattg acttttagcta ttaatgtaag cataccaggt gaggggtgggg 60  
ggtagaggga cttgcccatt ttactaggac aggaatgctc tttaagcagc atgganggaa 120  
cattaactga cgtttgtggt gtgcgtagga agatcattct gttcactttc gtgtcctctt 180  
tttagcctcc actgagcttc agcaagtcac cctgatctcc gtgggaacat tttcggttgc 240  
gtcgggtgctg gcaggagcct gtttcttcct ggtccaaagg atgacgtctg ggactctgtg 300  
tccattatct cgnttccg 318

<210> 269  
<211> 566  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1737578T6

<220>  
<221> unsure  
<222> 299  
<223> a, t, c, g, or other

<400> 269  
tcagtagcag gtgccgtcca cctccgccat gacaacagac acattgacat ggggtgggttt 60  
acccgccaag cggtcgatgg tcttctgtgt gaaggccagc ggcagggcct cgtggcccac 120  
catgcaggag aaggtgtccc ctttcttcca gtccctcggt gccacgcga gtatgctggt 180  
cacagcgaag gtggtggtgc cctggtctgg ctccctgccg gatgcccag tcaggtactt 240  
ctcgcggggc agtcctgtg acccctgcag ccagcgaacc agcacgtcct tggggctgna 300  
gccgcgtgcc aggcacgtca gcgtcaccag ctogttcagg gccagtcct ccgacggcgg 360  
cggcagcagg tggacctcgg gccggaatgt gtttccggat tttgagaggg tggcggttag 420  
cggggtcttg gactcggggt aggcagcagt gcaagtgaag gtcttcccat ggttccatgg 480  
ctcggcacag cccggcagga cactggacac gctgtagcag ccacagaggt cacgctcagg 540  
tggtcttgaa cagcgtcttt cccact 566

<210> 270  
<211> 453  
<212> DNA  
<213> Homo sapiens

PA-0020 US

<220>

<221> misc\_feature

<223> Incyte ID No: 1865070T6

<220>

<221> unsure .

<222> 274, 447

<223> a, t, c, g, or other

<400> 270

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tgctcatttg atataaacat ctaattccaa gagagaccag tgctcaaata tagttttttc 60
agctaccatt tgatacggcc ataaatttgg atggtccatg ttacaatcct tccacaattc 120
tccacttaaa gacatcattt ttctatgttt ttaatgacta ttgccatcta acaattctac 180
aattcgccctc ttgacctgta aaaaggccaa ctctacgtcc acctgtgtct catattgcta 240
tcttttattt atctctgctt aagattgcaa aagnttttga ttttattatt cacctgaaca 300
atgtattgca attccaatac acccccatct cttgctgtta tctacagctt gtgacaaaat 360
gaacaccttg tagaaatata ctactggttg gggtcccaag tctatgacac tatgagagaa 420
gcattgctga tggattgacg aggagancac cag 453
```

<210> 271

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2238605T6

<220>

<221> unsure

<222> 2-3, 6, 8, 19, 34, 131, 171, 192, 212, 214, 220, 304, 314

<223> a, t, c, g, or other

<400> 271

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anngngnca gcagtgggnt gaaaccccc gaanggcata gaggcagctg ggcagcccc 60
caggcccttg agggtaggag caggggagaag cagcagaagg aggtgatgcc cctgccgctc 120
ctcccaaggc nagccccgct cccacgctcc catgccaggg aggggtcagg ngccagaaaa 180
ggccctacat cnttgagtgg ggcccagagt tncnggcaan ctgtctgtca tcccaaggcc 240
tggaactctg cagagggcgt tttcccacct ggtggctccc agggccgatt gcttggtcaa 300
gganccagat atantcttaa gacatgatgt g 331
```

<210> 272

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2448222T6

<220>

<221> unsure

<222> 33, 229, 350

<223> a, t, c, g, or other

<400> 272

PA-0020 US

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atttactttg ttttactgta atttacacaa ganactggca agtaaactag gtatttttaca 60
ttcaccacac attccctcaa atctccacag ttgttagaaa aacattaaaa tccatgcgcc 120
gggctctcat ttccatgtgc gcctaagctc ccaatgatac tacagatgcc agcgagagtt 180
aagttcatta aaaggagagg gctagactct ttatttcaca aaattagcna taatcttcct 240
cgcaccaaac actttgcaga caatgattat gctctgacaa aacctatctt acaacagtgc 300
ccagagagta aacatcagtc tttatcctga gtacacaaag gatgtatgan atgtggggtt 360
tgttgctgag gataacaggg tattgcaatg cagtagtgat cctacacatc 410
```

<210> 273

<211> 229

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2453340H1

<400> 273

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gttgctgctcc ctgctagtag tccgggctgt gggggctcggg gcggatattc agtcatgaaa 60
tcagggtagg gacttctccc gcagcgacgc ggctggcaag actgtttgtg ttgcgggggc 120
cggacttcaa ggtgatttta caacgagatg ctgctctcca tagggatgct catgctgtca 180
gccacacaag tctacaccat cttgactgtc cagctctttg cattcttaa 229
```

<210> 274

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2474214T6

<400> 274

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ttctcacaaa acatattaca aatgacagca tgaaaaaaaa atcttgacac gtaactcaaa 60
gttcggctct acaatgtacc cttaaactgg caggacattt ttgaaatcac aaatttgac 120
ataaagaatg tcacgaacag ccatgtatcc atatacagca atcaaataag gaacttatga 180
cctaaagcaa aggtaaactt tcttgaaact taacattcta taccaactag gcaacctctg 240
cccaggatga gagttggatt tttcaaaaac ctctaattta atagtgcagc atttcgtttt 300
cctgatggc ctgtgtttca cagcagtttt taaagactgc ttgttcaact atagctgcag 360
cctatatccc agctatggaa aaaaaagtaa atcttagttc aatttttgcc agttgtttct 420
gtattttaat ttaaaaaaaaa acacacttcc gctgggcagg tttagagggt attatcagtc 480
tgtgcataac taaaagttca aagcaaatc aattttgctt aagggaacat tgtaaagtaa 540
caattcttgg gattacatgc ctcgtat 567
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<210> 275

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2645695T6

<220>

<221> unsure

<222> 20, 139, 218

PA-0020 US

<223> a, t, c, g, or other

<400> 275

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atttgcaaat gacagagagn gagaaaggct tcagacgcaa aggactttta ataagttacc 60
ttttgaagat gagacaagac aggttctaag ctaatcagac gtgtccacca ggtggacctg 120
cgctcttttc acaggtagn gttcctgatg tactctcggt acatggagga gtcctctttt 180
cctaggggct gcatgatacc ttggctggcc tggatgtngg cttggaagat ctctgtagat 240
tttctgtcta ctctttgggg ctgaacttca tagatgttat 280
```

<210> 276

<211> 569

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2716582T6

<220>

<221> unsure

<222> 18

<223> a, t, c, g, or other

<400> 276

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ggacatacaa cagcccnnga cacacagcat agcagggcct cgataatgag ataatttccc 60
cccacgtctt gagaagaaga atactatgta tttctttatg aacactatta aaaaaataa 120
accctcaca acattctgca ggacctagag cccaagagaa cccactgaag atccatcatc 180
tgtgggatgg cggaggcagt ctctggggag caggagggaa tgtgcacagc caggggagggc 240
tgcagcagcc ttgcctctgc cgtgaatgac aggcagtgac aagcagcaat aagggaacag 300
aggggggtggc agcagtgttt ggcagctctt cagcaatctt aatcataaat tcgggtagga 360
tccagttggt ggcattgccc ggggggcaca gaggtggtag cagctttcac ctccctgggg 420
gtgggagagt tccctctggt tggagaggga gaagaggggc aatgcagagg aaggagcgag 480
ggagcacagg ctgtcttaca atcttgacga tctcagctgg accacagccg cagcgtcatg 540
agcagattaa acccgggcac tttcaggag 569
```

<210> 277

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3141568T6

<220>

<221> unsure

<222> 161, 185, 199-200, 215, 217, 226, 230, 242, 246-248, 253

<223> a, t, c, g, or other

<400> 277

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cagtgcattt ttgcaaacaa taacaattca ctgagagtaa taacattcac atatgtaatt 60
agagtttaaa aatgtaaaaa acttagggta acaaacactt taaacttatt ttttagacat 120
tcaataagcc cattctccca caaactgttt gattacaaag nagcacaatg gggttaactgt 180
ggcanaacat aagaaatann gcagggggagg cagananaga cttganaacn taaggctatc 240
cnaacnnntt tgncaatatc 260
```

PA-0020 US

<210> 278  
<211> 330  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 510540T6

<220>  
<221> unsure  
<222> 29, 220-221, 227, 229, 236, 260, 265, 268, 272, 293-294, 310, 317, 325  
<223> a, t, c, g, or other

<400> 278  
atttgaatct aatagatcat tathtagnt tatactctgt gaatatatat atgatattgt 60  
atttaattaa tatctgagta atctcaatta ccattttcta ggaaggatag agtgtaagag 120  
ctaaacattt catgtagaaa tattaacttt caaaagttat aataccagag ttttagagtg 180  
aaggagtatt taaaatgtgt ctttctttgg gagagaatcn ntttgtncnt tactgncaat 240  
aatttgaaaa ttggtaattn aatanctngt gnatatggcc aatattatgg tanngattag 300  
cttctaggan aagttangtg tagcntgatt 330

<210> 279  
<211> 62  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1285830H1

<400> 279  
cccaattgga acctgggatc aagtggccga ggtcctgagc tggcagttct cctccaccac 60  
ca 62

<210> 280  
<211> 321  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1532801T6

<220>  
<221> unsure  
<222> 193  
<223> a, t, c, g, or other

<400> 280  
cttcactgcc ccggtctggc ccaaggggtca ggaagatgga ttcataacctg ctgatgtggg 60  
gactgctcac gtcatcatg gtgcctggct gccaggcaga gctctgtgac gatgaccgcg 120  
cagagatccc acacgccaca ttcaaagcca tggcctacaa ggaaggaacc atgttgaact 180  
gtgaatgcaa ganaggtttc cgcagaataa aaagcgggtc atctatatgc tctgtacagg 240  
aaactctagc cactcgtcct ggggacaacc aatgtcaatg cacaagctct gccactcgga 300  
acacaaacga aacaagtgc a 321

PA-0020 US

<210> 281  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1747756T6

<220>  
<221> unsure  
<222> 225-226, 241  
<223> a, t, c, g, or other

<400> 281  
tataaatatt cagtgtacag gagtggctct caccacaccc agtgaggatt ggatgaacta 60  
ggctaaaagg aagggataac tggccaagaa agggacatct atgtgaaagt gaaactgaga 120  
cagtgtctggc cacagggtcat gctgcagaat aatacattcc caggcactgt cacgtggggg 180  
acccaaaagg ccccaagagt gacctataac ctctccagaa gaccnntctg tgtggcatca 240  
nagtccacca cagtttaagg aaatatattg gacttaacaa tc 282

<210> 282  
<211> 256  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 032467H1

<220>  
<221> unsure  
<222> 26, 211  
<223> a, t, c, g, or other

<400> 282  
aaagaaactg tctaacgcac caaggncctt aaagaaacgt agttctatta cagagccaga 60  
gggtcctaata gggccaaata ttcagaagct tttatatcag aggaccacca tagcgccat 120  
ggagaccatc tctgtcccat cataccatc caagtcagct tctgtgactg ccagctcaga 180  
aagcccagta gaaatccaga atccatattt ncatgtggag cccgaaaagg aggtggtctc 240  
tctggttcct gaatca 256

<210> 283  
<211> 371  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 511038T6

<220>  
<221> unsure  
<222> 349  
<223> a, t, c, g, or other

<400> 283  
 aactgaagt gtgcaaggat taaccagacg tgggtgaggtg ttgcacagaa attcctacac 60  
 caccatggac agcaagactt ctgtcccctt tcatttcaga ctggactttg gcatgggtctg 120  
 ggtttggtcg ttaaggtctg gttcaagatg aggcctcaca gagagcagat caaatcaaac 180  
 caaccatctg gtcaatctgt cgcattgtaga tgctctttaa gggcagggag tacctcctct 240  
 catcaggtag acgattgcag ttggagctgg agttgatgac ttttaactca tgagggtttcg 300  
 gcctgtgcac agactttccc ccttggtcct gccctccctc ttcagagang aattccttcc 360  
 atgggcaaat t 371

<210> 284  
 <211> 577  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1383823T6

<220>  
 <221> unsure  
 <222> 548, 550  
 <223> a, t, c, g, or other

<400> 284  
 gctgggggtgc tggagtggga aggggaatcc aaggagcaaa ccaagaaggt cctagggcca 60  
 gcctaggcct ccacggcccg gccgttgatg acgcggatgt ggcggatgac gtcctggatg 120  
 gcttcagatg ttgtgccctg gcccccgatg tccggagtgt gcatattctc attgtccatg 180  
 gatgccagga cagccttacg gatggaggtg gcataggagt gcagcttgag gtggtccagc 240  
 atcatgcagc tggccagcag ggtggccgtg ggggtggcga tgttcttatt ggcgatactc 300  
 ttgccgtgtg tcctcgtagc tgtttcaaac accgcgtaca catggccata gttggcccca 360  
 gccacaaggc ctggggccccc gaccagtccc gcgcagacat tgttgacgat gttgccatag 420  
 agattgggca tcaccatgac atcaaactgc tggggccggg acaccagctg catggtggtg 480  
 ttatccacaa tcatgttctc gaaggtagc tgaaggtagc gggctgccac ctccctgcaa 540  
 cactggangn aaaagccatc gcccagtttc atgatgt 577

<210> 285  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1517291F6

<220>  
 <221> unsure  
 <222> 297  
 <223> a, t, c, g, or other

<400> 285  
 ggcattgacca cgtccagtga agacatttga ggcagcacat ctcaggaccc aggcaataga 60  
 ctggccccc aa ctcaggctgg actaagggtg gattaattct ttgttttttg tgtggaacag 120  
 ctcaccttgt cagacagcct cagggcatct ctgagacaca ggggcagaaa atgacattca 180  
 tcttttgagt cctcatccat ggagtgtgt gtttgggggg ctgcatctgc tgaagcgaga 240  
 acccattct gccacccac caggatgcc attctccagg attctccaac ttactantag 300  
 actaaaccag aacaagcaac aaactgtatt tatgcaagca aaattgatga gaaaattata 360

ttcaa

365

<210> 286  
 <211> 206  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1862017H1

<220>  
 <221> unsure  
 <222> 110  
 <223> a, t, c, g, or other

<400> 286  
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 cgaaaatgtc ttcaggctgg aatgaacctg gaagctcgaa aaacaaagan aaaaataaaa 120  
 ggaattcagc aggccactac aggagtctca caagaaacct ctgaaaatcc tggtacaaca 180  
 acaatagtgc ctgcaacggt accaca 206

<210> 287  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1922735T6

<220>  
 <221> unsure  
 <222> 387  
 <223> a, t, c, g, or other

<400> 287  
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 ccaagttcga tagcagtttc ctttaagggt gatccatttt tgtgtgctgt ctttagcaatc 120  
 tttgctgcct tgtcataccc tatatgagga ttgagagctg tcaccaacat tagagactca 180  
 ttcatacagc tgttgatcct ttctgtattg gcctggattc ccaccacgca gttttctgta 240  
 aaggaaactg aagcatcccc cagcagcctg gctgagtgtg acacattttt aatcatcatt 300  
 ggcttgaaaa cattcaactc aaaatgtcca ttgctgcctc cgacagtgc agcaacatgg 360  
 ttcccatga cttgggctgc aaccatngtc atgcttccca ctgagtaggg ttcaccttgc 420  
 ctggcatga 429

<210> 288  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2116322T6

<220>

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<221> unsure  
<222> 43, 122, 125-126, 130, 162-164, 169, 200, 240, 373  
<223> a, t, c, g, or other

<400> 288  
ctgaaacttc catttacacc atggcctcat ctatcaagaa gangaagaaa aggctctgcc 60  
ttataccata aaaatcaagt actcatgtac ttgttagagg tggcaggata tttgtttctc 120  
cnggnntttt gctctaagaa attacacttt cagtaccagt gnnntgacng aaccactggc 180  
aaactgtttg aaatgtcttn tggattagtc agtgtaccat ttcataaagt gcttctggan 240  
ttaaaatctg ccaagctgtc aaaagtgtcc acacttttgc aacaaaggat aaaagatccc 300  
agtgggtatc accgagtcct tcccagctgg gtctcattat tggcactgct gctttaacct 360  
ccaagccgct ggnccctcacc ccaggcgaac tcctggccgt tcctcaggta gtggattgta 420  
atttgatcc tcactctggtg tatcaaaaat agctttcaaa atagatg 467

<210> 289  
<211> 310  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2366633F6

<220>  
<221> unsure  
<222> 28, 160, 172, 213, 254, 305  
<223> a, t, c, g, or other

<400> 289  
gaaaatagag aaagtcaaac ctctctcntc ccccaccact gaaggcccca gcttgccagcc 60  
tgacttagcc cctgaagagg ctgccggaac ccagcggccc aagaatctga tgcagacctt 120  
catggaagac tatgagacac acaaactctaa aaggcacgan agaattggatg anagtagtgt 180  
cctcgaggcc acacgggtta atcgaagaaa gancgcactg gctttgctgt gggaagcagg 240  
gatctatgcc aacnaggagg aagaagacaa cgagtaaact tccttcaacc caggaagcgt 300  
ctttngtgct 310

<210> 290  
<211> 519  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3271754T6

<400> 290  
gtaaaaattt ttatcagcac tcattccagg agttgtgtca attacaaaca atgcattgtc 60  
acatgacaga cttcctgtgt ctccacttaa tgactccctt tggccactat tttcaacaaa 120  
acataaagta tcctcttcat tctcactgtt ttcagactgt tggctttcat cactgctgag 180  
aactagtaag acagaattat ctttaccctg agatgtgttg ggcgcagacg tgtatagttt 240  
ggtatcacat tcaaaatcta cattcccttc actgttcatg tcttactga cacttataac 300  
tgtggactct tcttcatcat cactaccacc acaatcacca aactttgtca agtcacttgc 360  
ttttatgggg ctctttttgt tgttattcca tctgcctact tccacagttg caaatgtttg 420  
agttaatgat ttcattacag cctcagagtt cagattagag tgcactgata cagcattttt 480  
attttggggg gttgatgtct ctgagaaact aactgttga 519

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<210> 291  
<211> 535  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 161115T6

<220>  
<221> unsure  
<222> 292-293  
<223> a, t, c, g, or other

<400> 291  
attataaaat ttgccaaata aacatgtcaa aaacaaactt aaaaacaaag tgtagctgat 60  
atccagaaat tgcagcactg tattgataaa gggctctttt cattaccagg gaaagaattt 120  
aatgtccttc cttcctcccc aaaagcttcc ttggtgcaat ccagtacaga aaacgccacc 180  
actttctgat gccaggagaa aagcaaaata aaaaaactgc ttgcacacat tagcactgat 240  
aaaacaatga caatttcact aaaagaatgt ttaaagacta ccggtatgctg gnncaaacca 300  
acttcatgac tgcattaaca taagctaagt tacatacact tcaaatgcag tatagaatta 360  
acactgcata tctaaatggc tcatatataa aatgtgtaat taaaacccaa acatacacac 420  
tatgtttatt acattcccct acattgaaag tactgagaac aatttactc tgaacacaaa 480  
agtttagtga atttgctact gttccattac aggacaatta aaaatgagac tatat 535

<210> 292  
<211> 415  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 308581T6

<220>  
<221> unsure  
<222> 393, 408  
<223> a, t, c, g, or other

<400> 292  
tcactctttt cttcatcgagg ctctttcata tctaagggtt cattttgagt gtctactgta 60  
cttggacctg tgcgttctctg acagttgccc tcagttcctg ctggagaacc aggaacttct 120  
gtcttgattg gtttctogtc ccttaatcct gtttcttcac cctcttcttc gttgtgatcc 180  
ctacctactt ctgtactgtg cgctggaacc tccttgggct cagctgcttc ctggttggtg 240  
aattctttct ctaaactatg ccctgtgctt gtctctaact cttgggggac ctctaccata 300  
catttgtcat catgataaac tgtgtcatca ctatgcccta aaggacacga ggccactgtg 360  
cctgacctgct cttcaacctg agtcaactgt gcntctccca cattctcngt gtggt 415

<210> 293  
<211> 461  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 394087T6

&lt;400&gt; 293

```

ttctttccat agaagaatgg taatgttgta tcagtgcata ttctatggaa aattcatatc 60
tcaagtaact agcctagaaa tcagagacag cactatgtca agctagtata caagggtcaaa 120
gacacaatgc tgccaatgca attagtatat agaaataata cgcagctgtt agaaaaagtc 180
tgtggccaag tggataaaac agtagcagtg cactgcactg acatccagaa cagaaaaatag 240
ggaaggacca gagaatgcac ttcttgcaaa aaaaagtcca gtagatcaca agcacaaaga 300
gttcccaact gtctcaccag ctctctaact catgtgtacc tgcaccttcc tcttgaaatc 360
tgaacattat aataccacaa gccactttca gctccagtgga gaagggtccag cacacgccga 420
tatttcgtcc tgttcccgtc atctcatatc taaaagtcac g 461

```

&lt;210&gt; 294

&lt;211&gt; 559

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 511300T6

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 527

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 294

```

ccattaacaa aacaattctg gtactacaga ccagtgggtg cagaataggc ttagtgccctc 60
cttgtttgtg tttgttttgt ttttaattgca tgagcactct agatggtaaa gttttcagag 120
ttcattttat gcagggccat tctcagtcct caatgtactc ccacagatct ttttcatagc 180
cttcatgcac atgctgtaac aaaacccttc gtcgactctc acagtatctg tacttgtctt 240
gtactttctg ctttatatcc tgcagagaat cttgggaaat atctcgttca aggtagcccg 300
agagcacctc tgtggcattc tctagatctg cttggttatt ctcaaagata atggactggg 360
tattcttttt gaggtagaaa gcgaagacat aagtgtacat gagtgtggca cgacactggc 420
agaggacatc aactgccttc ttcaggaact gcacctcaat ccaggacatg ttgtgctgct 480
gcatctcctc cattttctgt ttcacctgag catatagttt gtgctcnaag cgcaggctct 540
gcatgtgggt catatagcg 559

```

&lt;210&gt; 295

&lt;211&gt; 472

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 604978R6

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 143, 145, 150, 156, 361-362, 402

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 295

```

gcgggcgag gcggcctgac ccttcgcag gcctccgagg agctgctgcg tgagcactac 60
gccgagctgc gtgaacgccc gttctacggc cgccttgctc agtatatggc ctccggggccg 120
gtggtggcca tggtagtat ccngnaagcn ggcggnccgc tccgggaccc ccacccccgc 180
gtgataccgc gcccgttcct ccgcacaggt ttggcagggg ctggacgtgg tgcgcacctc 240
gcgggcgctc atcggagcca cgaacccggc cgacgccccg cccggcacca tccgcgggga 300

```

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tttctgcacg gaggaacctg attcacggca ggcactcggg ggagagtggc cgccgcgaga 360  
nncgtctctt ggttccgcgc agacagagctc ctctgctggg angacagcgg ttggggaaact 420  
gggctgtaat gagttagccc ggcagattgc gcgttaacag agggttttca aa 472

<210> 296

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1218053T6

<220>

<221> unsure

<222> 25, 56, 363, 404, 448, 452, 473, 477, 522

<223> a, t, c, g, or other

<400> 296

tttgtcattg cagaacaaac aatangaagt ccaaaattta tggcttcgtg agacanaatg 60  
tttacaactt tacacattgc ttttacatca ctctttgtta cacttgcagt tccacaaatg 120  
tgggtgggta agatactaaa tatttatata taagtctgcc ttttccaaag aaaataataa 180  
atggtatggt catatttata ttctgtatca aatataattt tactgaaagt tctcagaaat 240  
aagcagtaaa aataggattc atcctctatt cagaaccaca aagatagtag agactgaagc 300  
ttttaaaatt ttattaccct attaacatca gtaactcaat tattttaaaa taacttcctt 360  
aancttaaca ttctggcaaa agtttaattc cccatgtatc agtnacaaat caagaggccc 420  
tttgtgggtt tatgagacct aggctggntc cnttatgatt aagacacaaa gcncaanatt 480  
gcatagggta cgaagtccac attactcacc gagatatgga angctcgcac tgtgcctatg 540  
ctccatctgc 550

<210> 297

<211> 509

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2191256T6

<220>

<221> unsure

<222> 41, 64, 72, 77, 79, 83, 91, 95, 106, 112, 117, 141, 177-178, 181, 200,  
213-215, 473

<223> a, t, c, g, or other

<400> 297

gccagtggac cagtgagggg tgagggcacg tcctccgaag ncgaggggtg gcatccctgc 60  
ccangggcct tngcctnant gcnctaaggg ntggncctc agacangctc angggangtc 120  
cgcccacaag ggctttgggc ncctccctca tgaagacgcc acccctgcca tggggtnngt 180  
ngcccttcac tgtcacatcn gccttggttg atnnnaggga ggttgatctc tctcagggag 240  
aactgtgggg tggggatgta gccttgggag ggcccttcag gaagtaggag tgggggggtt 300  
gggagtgtgg tagaccaga aacttctggg gacgtcagtc atagttacta atatttggag 360  
gcagtaggag atgctggccc caagggttag gtatcagtta gagcagaaca attggacct 420  
gagctgggtt ttcctttggg tttagggtga agtgaactat tatcattgga gtngagaact 480  
ggagagaaaag ggttgtcact gtccagcac 509

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<210> 298  
<211> 589  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1287267T6

<220>  
<221> unsure  
<222> 398-399, 426  
<223> a, t, c, g, or other

<400> 298  
cacagcctga acatcacatc ttcagagaaa gttactttta tgccattgta tttactatTT 60  
accacacagg cattgaacat tctcattaac atgataagac aatttgctgg taaacattta 120  
aacacacaga cattagtttc agtatctcaa catatTTTTg gtcataacca aggaaatata 180  
tcaaaataat gacaacattg gctaataTTT tacaagcaaa tatttaactc tgcatagttt 240  
atacaatagg ctgtggcaat aaataatgTc accaatctca tcaactatta actggccaca 300  
agaagcctaa cattcatttt aattatgata tgaaatgctc tattgggtga gtttcaacat 360  
atccttaaat gtttggtgtg ttaaccttga atacacgna agaaaaagta ctaaactgga 420  
ctaagnaggt gtgtttggtt aactacaaat atgtcatgtt cacatagtag attcctaaca 480  
tgaaggccaa tatttaaata gacaaactag cagtccaaaa aatgtgaatg tgcaaattgt 540  
gagtaaacat tgctttaaat ttgcactcat ttgcaagtac agtactagc 589

<210> 299  
<211> 150  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1288342H1

<400> 299  
ggaaaaaaga aaatctctac ggacaactgg tttctattca ggattttcag aagtggcaga 60  
aaaaaggatt aaacttttaa ataactctga tgaaagactt caaacagca gggccaaaga 120  
tcgaaaagat gtctggtcaa gtattcaggg 150

<210> 300  
<211> 319  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1306707F6

<220>  
<221> unsure  
<222> 88, 121, 198, 218, 281, 316  
<223> a, t, c, g, or other

<400> 300  
gggacgtctt cagctctcgg cgcacggccc agcttccttc aaaatgtota ctgttcacga 60

```

aatcctgtgc aagctcagct tggagggnga tcaactctaca cccccaagtgc catatggggtc 120
ngtcaaagcc tataactaact ttgatgctga gcgggatgct ttgaacattg aaacagccat 180
caagaccaaa ggtgtggntg aggtcaccat tgtcaacntt ttgaccaacc gcagcaatgc 240
acagagacag gatattgcct tcgcctacca gagaaggacc naaaagggaac ttgcatcagc 300
actgaagtca gccttnatc                                     319

```

<210> 301  
 <211> 259  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1394439H1

<220>  
 <221> unsure  
 <222> 16, 91, 110, 152, 178, 221, 238, 257  
 <223> a, t, c, g, or other

```

<400> 301
cttcaactctg cttctnctct ccatcgctcat tctgtactgc agaattctact ccttggtcag 60
gactcggagc cgccgcctga cgttccgcaa naacatttcc aaggccagcn gcagctctga 120
gaagtcgctg gcgctgctca agaccgtaat tntcgtcctg agcgtcttca tcgcctgntg 180
ggcaccgctc ttcattcctgc tctgtctgga tgtgggctgc naggtgaaga cctgtgcntc 240
ctcttcagag cggagtnct                                     259

```

<210> 302  
 <211> 512  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1454705T6

<220>  
 <221> unsure  
 <222> 409, 461, 496, 499  
 <223> a, t, c, g, or other

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<400> 302
gtaaaatgtg aacattttaat taccttttaa tcatatatga aataatttac atgctataca 60
cttccaaaca cactgaacat aaattcaact ttataagaca tatacacagt ctgcttttgc 120
caacatatac cctgtaggtc acttaagatg taactgattt ctgagtcac ctgtgagcat 180
ataaacacac aaatatatgt ctgaagttga agattaagat aataaaccag agttgaatac 240
aagaagtcag ccacagaaga ttctaaaacc acaatcagtg actggaacac caaggcacia 300
aaacttccct ttgtagtcac agagattaag tttccattcc cagtgcctta atatggaagc 360
aggattggtt aatcacatac tatattttat agtgcatttc tgttgctgnt taaaaggaa 420
tattttttta attacataat gtattacagg aaagcattgg naaaataaac aggggtaaga 480
taaagctccc catacnatna aagttttttt tg                                     512

```

<210> 303  
 <211> 326  
 <212> DNA  
 <213> Homo sapiens

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<220>

<221> misc\_feature

<223> Incyte ID No: 1477962T6

<400> 303

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caaagtacaa tttgactcaa acctgtccaa ccagcatcaa cagctactga aagaattcaa 60
acatacagaa gatgtggggg tggggtgaag ggtgggacac ttaggtccca tctctgcaa 120
tgtggcaaaa aaaaaaaaaa aaggaaaaga caaatgact gacacagcca gggtcattct 180
tgtcttgag ctgaggcagc agccctagct cctgctacag acggaatact ggaggacggg 240
ctccctaggc gtaggtatgg tgggtcgggg gcacccaacc tagcagagtg atgcacagag 300
gaaggccagc cctgaccctc ctccctt 326
```

<210> 304

<211> 254

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1503230H1

<400> 304

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tacatgccct ccgtccctgct ggtcgccatg tcctgggtct cttcttgat cagccaggcg 60
gcggtgcccg ccagggtgtc tctaggcatc accacggtgc tgacgatgac cagctcatg 120
gtcagtgccg gctcctccct gccacgggca tcagccatca aggcactgga cgtctacttc 180
tggatctgct atgtcttctg gtttgccgcc ctggtggagt acgcctttgc tcatttcaac 240
gccgactaca ggaa 254
```

<210> 305

<211> 495

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1509884T6

<220>

<221> unsure

<222> 333, 398, 404, 422

<223> a, t, c, g, or other

<400> 305

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tatatttgga attagccagc ttgactcagt ttaggtgatc ccaattttgg tggcaacaac 60
caaagcatcg tagtcaggag ccagtcgaac atatgccttc ctctctccat cagactgaat 120
cagagtgttg actttggcca catcaatgtc acaaacttct tcacagcctg tttgatctgg 180
tgcttggttg ctttaacatc cacagtgaac acaagtaggc tgttgttttc tatcttcttc 240
acagcctact cagtggtcag cggaaacttg atgataacat ggtggtcaag cttattttctc 300
ctgggggtgc tcttccaagg atatttgggc tgntccgga gtcacagtgt cttgggccgc 360
cggaaggtgg gtgacatgtg gatcttgttt tttttgtngc tgtngacatc tttcaacact 420
gncttcttgg ccttgcaaag ccttcgcttt ggcttcggct ttaggagggg caggagcttc 480
cttcttcgtt cttgg 495
```

<210> 306

<211> 429

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1633262T6

<220>

<221> unsure

<222> 290, 337, 347, 379

<223> a, t, c, g, or other

<400> 306

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actttacaaa tagacaaaata ataaaaggct cagtggctaa aatagatggt aagcatcatt 60
gaaagaaatc aacaccatca cggatatctca gttggcttac acgtgtaaaa agaaattttc 120
aaagagcaat ttcacagaaa tgaagccagt ttttttctta taaacaaatc accaattctt 180
ggttcaaaac tgacatctgt tatgaaaatt accatatcac atatttgtaa gatgacaagg 240
agtaactcat cttcaaagtg caagtaagtc tatttacaac cacaaaaaan gcaatgatga 300
ggagaaaagg attttttaaaa aatatacaaa gattaanaac atttggngtg caaaattaaa 360
caattttttg ggtagaggnt taaagaggaa aagtgattga attacagggt tcagctatac 420
ctactatat
```

<210> 307

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1669006T6

<220>

<221> unsure

<222> 342

<223> a, t, c, g, or other

<400> 307

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cacagctcat aagtcacaaa accatattat aactcaaagt caaatatgta ttcgtttgcc 60
agatatattc gtcggaatat aagagctgcc aatgccaaag tcaggatgac aatcagtaca 120
gctgaccac catgatcagt gtggttgtct cttggctggt ggccctggat tacatctggt 180
gaagtagaca accttctctg actctgctgc tgggcccggc gctgtcgagg gctcatggag 240
gtattcttag ctacaggttg ggtaggttga tgaaaggatg ctgctgagga attctggagt 300
ccgtacgatg tactggccgt agcaccctgg aatgtttag gnatatcatc ttgtaaatca 360
gtagtgaaa aagagtgggt taagtctgac tcagagatag tctttccaga tgaattgact 420
tctgcctata aacaagatag acccaagagc agtgtgacaa caggaacaac agggaacata 480
cacaatctac aacctg
```

<210> 308

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1706162T6

<400> 308

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ggtacagggg gagtacagat gcacaggagg ccataggggt taggcaaagg ggagcacaaa 60
agttgaagat gaggcgctgc catcaatgct gggacttcag gccaaagggca ggaactgagg 120
aagccacaag ggaggacatt ttctgcagtt gctgaaccag tagcaactag gtcctgagaa 180
agccctctct cgtggaagaa taacagccag gcgggaaagc ttttcatact gcaaagctgg 240
ggcagaagat tcttccttaa attgtcatct gcacttcagc tcaggaatcc tgttggtga 300
agtccagagt gtcctttctg attcctgaag tagatgaaca gcccggcccc aaggaagagc 360
aggcccagca caaagcccc gactccactc agcatcttgc tctgtgcaga ttcagaccgt 420
gctctccatt ccactgtgag agcgctcgtt acgcttgggt gctccacttg gcaagtgtaa 480
acctctccca ctc 493
```

<210> 309

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1706278T6

<220>

<221> unsure

<222> 32-34, 190, 235, 237, 239-241, 243, 248, 253, 255, 259, 266, 274, 313, 349, 406, 494

<223> a, t, c, g, or other

<400> 309

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gcttataact ctgcagcccc tatgggtagc tnnnggtggg ggaagatagt atcaaaaaac 60
ggtgaagaga gctgatgagg ctgtggggac tggctggaag ctgctggcag ggtggagtgg 120
gctggggccc cggcagattc agatcgaggt acagcagcgt taataatact cttggagcgt 180
taataactctn gggagggggca ggcacttggg gggccctagg gcatgaaggc acttngngnn 240
ngngatgnga cangngatnt actgcnggac tggncggggc caggccctgg ggtttggcag 300
gcactttggg gantgctggg gttgggcagg ttgggccccg acagcccana aggctttggt 360
agtggcacgc acagtctctg ggccgggtct gcattaaata gaagangctt ctttagtgct 420
catctcgaag ctctgaaggc agaaacttgt actgctgctt ccgatcttg gccagtttct 480
tccgcgcctc ttcnagctct cgttc 505
```

<210> 310

<211> 82

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1729325T6

<400> 310

```
aatcttcttg tgccatgaga ctccatcagg cagtctacaa agaccactgg gaggctgagg 60
atcacttgag ccagaaagtt tt 82
```

<210> 311

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

PA-0020 US

<223> Incyte ID No: 1750447T6

<400> 311

```
aatagaattg tgcttctttt gcagactggg gacaatgaaa tgtttagcta caattttccc 60
atacaaacat gaaacaatat tcatatagaa taaacaccct cacaaataac tgatgggtga 120
tgaacacaca ccaagttcga ccaaagcaaa aaataaactg aaaattggtg ggtgggggta 180
ttcatatttt aaattcaaca tgcttgctct atttaaaaat acctgtagaa gctcataata 240
aatagcttct attttcagac atagcagaga aggcatattc cattgttaac tgtaaaagca 300
actcttaaat ttaaaattac tgctatacca cctattaaaa taactttaga taaaatgcct 360
tcttttagca acctgctggg ttatttaaaa aattgtttta gaattatagt gatcaatatg 420
catttttaaa atacaatatt aattccatca tagccaatgg aaaattaaga cggttccata 480
tttctcagtt aaagggtttt cttcactg 508
```

<210> 312

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1813891T6

<220>

<221> unsure

<222> 37

<223> a, t, c, g, or other

<400> 312

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atacaacaac aaaaaaaatt taatcaagtg aaacgtnaat aaactgaaca ataaacactc 60
aaaacatttt ccattggaaa catgtaaaga caatatgagg ttttgttacc atcttactgc 120
aattttctta tgtgttacta gtctacatac cccatgtttt ctgtaatcat gcagatgtga 180
atggaagttt gaatgattaa ataaatgaaa agtccgttta ctgcagggaa tcatttcaca 240
aggcagccaa accgggttta gagaacaaaa ctattcaaga aattctccac gtatttaggt 300
tcattttaga atccatgaac cttaagctgt tctctcttta caatgccaac ctccaagaga 360
aactgggcag atgttttttc tttggtcacc ttgaagctga ataacctctc cgtattcagg 420
atgttcaatc acagtaccat tacag 445
```

<210> 313

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1825132T6

<400> 313

```
ataattcaga caggtaaca tatatgattt gatgggagaa tagttagggt tccatttcct 60
ttaagtttct attccaatca atttccactg gtgatgtcta actcagatcc cgtctcagtg 120
tacagatgca acctcgctac atccccagca tgatcgata gactctgtca accagaatcc 180
caacagctgc ccagggggga gcagcgtggt ccagacacac atggtttctt agacaaggta 240
gggtgcggct gcagcggaca ggcacttctg gctaggtcag gcttcaagct agttaatatt 300
gaatcttcct cttagctttc ctcagttcaa tgctcttctt aagtagtcaa gaatttcctc 360
aatcttatgt aggtaaaact ggaattc 387
```

<210> 314

PA-0020 US

<211> 383  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1849154T6

<400> 314  
gaaaggaggg aagaaggtag tggcactaac caaagtcaca aagcccaggt tggaacaaca 60  
acaaatcact ttgggttccta gagccaagcc tgaaggggaa acaggcagaa gggaagacaa 120  
aatgggaaga agtctacagt caatgggaat ctttttctat ctcaatgatt tagttataaa 180  
tagagattat tagtcttctc tctatacatg taacaaatgc cgaacttact accacgaaat 240  
ttctaaaact gactttttca catttggttaa aaaaggtaaa aatcacatac ttttcttccc 300  
ttccttcagg tcaagttctg aactaaaata ttacatgtaa caacagctgg tcctaacttt 360  
tatacaaagt gaaactatat aga 383

<210> 315  
<211> 443  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1980941T6

<400> 315  
tagttacagt aatactttgc ctgtgtctta ccaacatgta gctgacagtc aaaattttgc 60  
aatatagata taatatatag ggatatataa gaactacaag aaaatcccca aaaccataa 120  
agttcaaagtg tgaaaacaga aaagttttta cactggagaa ttcgctatgg tgagcctaag 180  
caatatatag aaaagagtct acaaaaaggc ttagggtgta aataaatttt gacttcctct 240  
tgctcagaaa atgtcggagt gctataaagt tccgtgaagt tccttaatgt gactcgtc 300  
gcccttcata gctagtgcc atcctggcca agccagattt cttgtgtgtc tgcaacaat 360  
atgtgagccg aacatcacca atgcctcctg aaaatgggct ctgactcact tccttttttt 420  
gccaagatag ggtttgcttt gtt 443

<210> 316  
<211> 259  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1988078T6

<400> 316  
taagttccca gctaagtgc cagatagaag cgaggatatt ctgggttaat gcaggagcca 60  
gtgggttaca tgggtctggg cactgtggcc aaggggagag taccaagggt tctgagtcag 120  
accgggccag agaccctgcg ctgaagggtg actaatgtcc taacactgcc agctgctttc 180  
tcctcacagc tggccacacc gcaaggcatc tcttcgacag taaatcattt cagcgatgtt 240  
aaggggaacg acgttaaag 259

<210> 317  
<211> 468  
<212> DNA  
<213> Homo sapiens

PA-0020 US

<220>

<221> misc\_feature

<223> Incyte ID No: 2132606T6

<400> 317

```
cacagtggcc acagctaaca tcattgcagc acctttactc cttcggtgt gatccaatct 60
ccagctcact tctttttgcc agcaccaaca ttggcctttg cagtccccct gactttcttc 120
attctgttct tgcgttcctt tcgttgcttt cttgaggtct ttttcttctc atacaggcca 180
tgtcttgcaa gtctatgttt gggttcattt ttctttgcat aatccaggga atcataaatc 240
atgccaaagc cagttgtctt gccaccacca aaatgagttc tgaatccaaa tacaaagatg 300
acatccggtg tgggtcttgta ctttttggt agtttttccc gaatttctgt cttaggcact 360
gtcgcccttc cggggtgaag gacatcaatg accatttggt tcctctgaag tagtcggttg 420
gtcatgaact ttctagtgcg gatagttacg gtgtcgttca tgatggcg 468
```

<210> 318

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2137446T6

<220>

<221> unsure

<222> 266, 274, 280, 283, 319, 352

<223> a, t, c, g, or other

<400> 318

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gggtttttga atagtatcac ctggtatgaa aagttttccc aagaaaccac aaacgattgt 60
tcattttttc tccttttttg ttaacttttt gccacactca agtcagtta agtcctagca 120
aaaagacggt agttaggata ccactgtggc tgtagatgat gtgacactgg ttgaatttgt 180
gctggcgttt gtgtaacttc cctcgtgtgt tgtgtttgat tcgttagggg gcacctgggc 240
ttgaattggc tcgaaggatt gctcngctg ccantgcaan gtngccgcgg ccctggttct 300
ggtgtgtagg taaagggtang gctggtggaa taaatgattc catcatttcg gnccaaagtt 360
actggaacct ggactgggtt gcc 383
```

<210> 319

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2180426T6

<400> 319

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cagttgttta tacaacaatg aataaggaca agatatcaaa ctgaaaattc aaaaataaac 60
agaagaaatg taaacagttc taaaatatca gtatttataa atgttgctta gaggaaggct 120
attcaaagca tgggtccatta actatttgtg agctgtccag aatgaaagag gcttgtgcc 180
gaatgaaaat caattacatc actaatcata ctggctcagt tgactttttt taaataacaa 240
gacttctttg ataaaggaag caatgtgttg atttatattc tggcacaagt accttattac 300
tgactagag 309
```

<210> 320

<211> 533

PA-0020 US

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2201912T6

<220>

<221> unsure

<222> 450, 486, 507, 513, 521

<223> a, t, c, g, or other

<400> 320

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caattttacaa gtaaacaat tattacttct tgaggagggt gggggttgaa aagcagaagt 60
ctcttcatga ttcttggtc tgaaaatttc ttgaggggag aagtggaggc aggtgttgga 120
acattcacag tttaatgcaa aagcacaat gaatgaaatt ctgtagttgc tttcaggcag 180
ttttgcgcat agaaaaaaag aaatgttttag aaaataaaat gtttattttg tctttcagg 240
tgtggccaag ccagtcatt ttccacctta acaggtgaaa atttaaattcc caaattaatc 300
tgatttgtgg cagtaaaggc ccttaagtgc ttttagctcc tcaatcaatg tcttggtttg 360
atattcaagc actgccactc tgttttctaa acatttcaca tattctttct tctttctacg 420
acactctcga gctgcttccc tgttcttcan tagacggacc tctctctttc gtggctgctt 480
cttcancagg ctgtgttaga agtgctnggg gangatgcc naacaactcc agg 533
```

<210> 321

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2203287T6

<220>

<221> unsure

<222> 84, 89, 171, 179, 201, 231-232, 244, 255, 313, 315, 365, 371

<223> a, t, c, g, or other

<400> 321

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accctagact ccaagtcatt tagaatctct tctaattcct gcttttttagc agcaagtctt 60
gccctcatct cttctgcttc agcnaaganc tcagtctctg cttgtagttg ttctgcaagg 120
atattcttct cttctaaaag ctgctggtgc ttccgctcca tctcctccag ntctccttnc 180
aaattcggtc gccctctccc ntcaccttca acagctcttc atctttggcc nnaagttctt 240
cctnctggcg agtnccttgt agaagcggct tcacctttgt gaagactcgc caccactgcc 300
agtgccgtaa ttncnggtac gcggcaaagt tccggctgca agacccttta aggcacttag 360
ttgcngctgc ntcttggaag aggcc 385
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<210> 322

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2236363T6

<400> 322

PA-0020 US

gtgctgggct tcacccatt tgccttaggt cttttaaaca aagcaaact acttttcctc 60  
cttcctctat cgccatttgg gagagaccca ttatacctga tgggggaaaa aaagtatagg 120  
tgatctcttg caagaactgc acaattataa aacaaatgtt tgactttgcc ttgcagaatc 180  
aattcccaat taattatcta ttaacacatt ataattattt aaaattcctt tgagcaactg 240  
ttgatctcca taccaggtgc cagtgtgtga aacaaaatga gattcttttt ctggcttcat 300  
tccaagtcac agagaacctt ttggattata cacagattcg tgttatctct atttttttcc 360  
ttccctcttt tatggaagat aattaagagc tgattaatgg catgtctgac tccttatgac 420  
tcattctgtt tttttaaggt gaactggttg catgtggcta atacaacctt aaaactcgag 480  
g 481

<210> 323  
<211> 407  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2291484T6

<220>  
<221> unsure  
<222> 12, 15, 26  
<223> a, t, c, g, or other

<400> 323  
catcattcat tngngggaga ttagcnggga agtagctgta tatttttagt gagatcactg 60  
atggcaatgg atctctggat cgtgctgctg cttatgggta aatcatatct aatgtgaaat 120  
ttogaattac atccagagct ccagtatcaa agccgcacat atccaacatg cctctatcat 180  
ctgggtctgc aatggtgaaa ccatttgatg tcattccaca aacaatcaat ttagctggaa 240  
tatccatttt ctttcgatac tccctcagag caatagcagg atggacacct ccagcaaagg 300  
tctcattatc agtgaatata atgaagacat cagcaggtgt gtttgtcttc tgagcccaga 360  
tcattggaag agagcaatca gttccacctg ctgggatctg actcata 407

<210> 324  
<211> 213  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2375549H1

<400> 324  
ctcctttact tcattcatgac ttgaagactc agaatatctt attggacaat gaatttcattg 60  
ttaagattgc agattttggg ttatcaaagt ggcgcatgat gtccctctca cagtcacgaa 120  
gtagcaaatc tgcaccagaa ggagggacaa ttatctatat gccacctgaa aactatggaa 180  
cctggaccaaa aatatcaaggg cccagtatca agc 213

<210> 325  
<211> 222  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2423808T6

PA-0020 US

<400> 325  
ccaccagttt tgagagtctc tccatttact gccctgttca ttttactcaa gggctctgtca 60  
gcatcttggt tatctttctg gtataacctgt gtaggtgttt ctttctcctg aagttctgtg 120  
tcttggtttt ctcttatctc tgacctctgt gttacaacct ttgctctgtg gctctcaaga 180  
gacttttctt catttggaag ctggggaaga gttcgtctcc tt 222

<210> 326  
<211> 186  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2446704T6

<220>  
<221> unsure  
<222> 2  
<223> a, t, c, g, or other

<400> 326  
tnctaggagt atatttcaag attattacat ttttaagccag cacaccatgg atgtacatga 60  
agggccactc agtgtccctc gctgggacag gttgtgtgac ctgcccaagg ggctccggct 120  
catttgccaa agtcaagacg acgaccaggt cttctgactg ctgagcccaa ccaataatga 180  
aaaaag 186

<210> 327  
<211> 367  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2452667F6

<220>  
<221> unsure  
<222> 47, 84, 256, 301, 306, 309, 312, 350  
<223> a, t, c, g, or other

<400> 327  
gtgttgcgcg actggccttg agggagagct ggggcctgct cccgganaga tacggctatg 60  
tcgatcgaaa tcgaatcttc ggangtgatc cgccttatta tgcagtactt gaaggagaac 120  
agtttacatc gggcgtttagc accttgacagg aggagactac tgtgtctctg aatactgtgg 180  
acagcattga gagttttgtg gctgacatta acagtggcca ttgggatact gtgttgacagg 240  
ctatacagtc tctganattg ccagacaaaa ccctcattga cctctatgaa caggttgttc 300  
nggaantgnt anagctccgt gaattgggtg ctgccaggtc acttttgagn cagactgatc 360  
ccatgat 367

<210> 328  
<211> 551  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature

&lt;223&gt; Incyte ID No: 2503017T6

&lt;400&gt; 328

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gcacattgat gagtttaaact cactatagtc cttatacatt gaaacagaac accagtagtg 60
aaatgacatt tattaattcc attaagacac aactacatat tttattctta taatggccat 120
gttaataagt tcaaggcata cttcaagggt aggatcaaaa tttggccagg gcttcttaag 180
atagacctta aacattgca cggtgatgtt cttttgaaca agtttgtctc caggaccagt 240
aaatatgaca ctttggtatt taagctgatt aaagagaaca ggttttatta ataaagactg 300
atctcaaaat gctgggattg ataaaagaat taaagtttca acatatcaat tttaagaagc 360
aaagtgtttc aacaactgag aggtaagaaa atctgtttat ttgcatgtat tttatataa 420
tcaatcaggt tgcagattct aaaattgctc atatccagca tgatgggtgct tgagaccaat 480
aaaataagcc agcaacacta gaataagtac tcctgccaag gcagctccca ccgctatggg 540
cacaaggaag t 551

```

&lt;210&gt; 329

&lt;211&gt; 479

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2677105T6

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 16, 164, 187, 296-298, 308, 317

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 329

```

actgaataaa aaccangggg caatataact gctactggtt gagtcataca gtgatgtgta 60
gtttggaaaa gaagacgaat gatagatatt gagccccttt aggaaatgtt gccagtattt 120
gaatttggtt ttcatagtta tctcttgac acgaagtaga gtancatggc tgataacaag 180
aggtcanatg tacaagttgc tctaatatgg cctcaatgag gcaccagctt caaaacccgc 240
ttgctgataa ttcaggtatt catggagggt caagacttca aagtcatgta cttccnnngc 300
ccagtagngc atctggngtt gcttaaggga gtctgtcagt gtaggggtgca tagaattgtt 360
ctctggctat atccattct aggaatcact ggatatccat ctggagtgga gggctgttaa 420
tctaggttca cttgacacca tcttcagcaa atgatcattc cctgggggtca aagacatgc 479

```

&lt;210&gt; 330

&lt;211&gt; 247

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2702380T6

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 18, 22, 27, 52, 60, 81, 115, 126, 170, 177, 195, 232, 236

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 330

```

agctagcagg ataacagntg anttaanggg cctcagacta catccaaggg antgtttatn 60
gggcgatccc aattacacca naagccaaac gacttcacgc gtttctgtc tttgnacttt 120
cttcanttcc accttggccc aagtcattct ctttttcatg gaccaccagn gtgcggncaa 180

```

PA-0020 US

tgatgcaatg gtctnctgag agtgagatca cagaatcttc aatagacaca tnggcnacac 240  
catcttt 247

<210> 331  
<211> 434  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2744270T6

<220>  
<221> unsure  
<222> 356, 395, 400, 417, 422  
<223> a, t, c, g, or other

<400> 331  
ttaaaaggga attcatgata aaaatagaag atacttgagg aaagatgtgg gaaatggact 60  
ctgcacacac actaaactaa caatgcctct aaaactaatg attatagcaa aaaatgtctt 120  
cacattaaaa ttctgctttt tatgtttttt tccatttttt acacaattac aaaagaaaaa 180  
ataaaagccc taaaatcttg attatttttc ctttttttgg accaaatact cattttcctc 240  
taagtttatt gacctgtgaa actttttata caataaaatc tttcaagtga aagattaggg 300  
ttaaaaagaa aaagatggat atcttaaagg gtacagcgaa tgctcagaac aaaggntgat 360  
gggaaaatgg tttcagtcac tgattatttc attanccttn gattcactcg ccctttnatc 420  
cntccccaac ccca 434

<210> 332  
<211> 170  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2748823F6

<220>  
<221> unsure  
<222> 88, 119, 136, 141, 146, 150, 155, 161  
<223> a, t, c, g, or other

<400> 332  
caaataagga ggcactggct aagacggaag tgtctctcac cctgaccaac aagttcgacg 60  
tgcctggaga tgagaatgca gaaatggntg ctcgaaccat cttactgaat acaaaacgnt 120  
taattgtgga tgcanccgg ntccanccan gaganacctt nactgaaatc 170

<210> 333  
<211> 324  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2749472T6

<220>

PA-0020 US

<221> unsure

<222> 173

<223> a, t, c, g, or other

<400> 333

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gaggtgcagg gcagcgctca ggccttgctc agtttcttct tgatgaagta gctcaccagc 60
cgctgcggcc tctgctggta ctgctgagc acattgcgag ggctgctgat ctgggtcccct 120
tccaggcggt tcaggagggt gacacacacc acggccgctt ggaggccgca ggnctggcac 180
atggcggaac acaccgagga ctccatctcg atattgcgga cgccggctgc ataggctgcc 240
tccagatacg cctgcttgct cttctccgtg taggagcaga gagccccatc cagacggcct 300
tgcccttaat agaagtccaa ggtg                                     324
```

<210> 334

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2824491T6

<400> 334

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aaagttgttt ttaacattag actttctttg ccagttggca acttagaatt tttgcagagg 60
tgattattaa tacttctttg cagctaattt tagctttaat ttttctctct catctaaaaa 120
catatcaatt gcacattgtt cttttgactt aataactgca ttcttgaaac agaggttagc 180
tatttctactg tatccagaaa cgtggtagaa attctgacct atcattcttt tatctcagtg 240
acaacaccag cagctattgt agaaccaccg taacgtagca tgaacctccc cagctcttta 300
aagtctttat atagctcaag agctattggt ctttgtgtct gtagctctac caatgcattc 360
tggcctttag tcaaaaactt aggcctttttc tttgtgactt caccctgtgt tttgtttaag 420
acactaaatc aatcgtttaa taacg                                     445
```

<210> 335

<211> 515

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2873229T7

<400> 335

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gacatacaac acgcccagat acacagcata gcagggcctc gataatgaga taatttcccc 60
ccacgtcttg agaagaagaa tactatgtat ttctttatga acactattaa aaaaaataa 120
acccctcaca acatttctcca ggacctagag cccaagagaa cccactgaag atccatcatc 180
tgtgggatgg cggaggcagt ctctggggag caggaggga tgtgcacagc caggggaggc 240
tgcagcagcc ttgcctctgc cgtgaatgtc aggcagtgc aagcagcaat aagggaacag 300
agggggtggc agcagtgttt ggcagctctt cagcaatctt aatcataaat tcgggtagga 360
tccagttggt ggcattgccg ggggggcaca gaggtggtag cagctttcac ctcttgggg 420
gtaggagagt tccctctgtt tggagaggga gaagaggggc aatgcagaag gaaggagcga 480
gggagcacag gctgtcttac aatcttgcaa aatct                                     515
```

<210> 336

<211> 201

<212> DNA

<213> Homo sapiens

PA-0020 US

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2890054T6

<220>  
<221> unsure  
<222> 21, 133, 183  
<223> a, t, c, g, or other

<400> 336  
atcaagtaat catggccagc nattattgat caaaatcaaa aggtaatgca catcctcatt 60  
cactaagcca tgccatgccc aggagactgg tttcccgggtg acacatccat tgctggcaat 120  
gagtgtgcca ganttatttag tgccaagttt ttcagaaagt ttgaagcacc atgggtgtgtc 180  
atnctcactt ttgggaaagc c 201

<210> 337  
<211> 480  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2958621F6

<400> 337  
caaatgatag acaaatggca tatactcaaa tatttatagc tgtttaaatgg cattttatag 60  
acattttattt gggttttgtt cttatttttg tttttaatta agggagtagt ggggtagatg 120  
tgagttcatt gtggcattca gcttatattt gcttggcttt ttcattggtcg gtgacaccct 180  
aattcctagc atgataaata gtaacccttt gtgcttgatt ttgtttaact tatttgagtt 240  
gttttcaaaa tacattcttt ttaattttaa aaatcagcta agcttggtga tgggtaagtt 300  
tttgttttgt tttgtgtttg atttgttctt ttagggaaaa aatcctataa aatggctatt 360  
aaatttttag ccaatgacaa tgagattttc ttaatattac tttgaattct ttacctctta 420  
attcttagag tatgtgggtt tgttgttctg tagtgtctac taaaatattc atttttttac 480

<210> 338  
<211> 279  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3034495H1

<220>  
<221> unsure  
<222> 162, 210, 233, 253, 255  
<223> a, t, c, g, or other

<400> 338  
gattgaccac gttttaaaag tactctgggc actgggtgctg tgttttcttc ccctccctaa 60  
atttgaagaa ctatggagaa atgggtacttg atgacagtag tggttttaat aggactaaca 120  
gtacgatgga cagtgtctct taattottat tcagggtgctg gnaaacccgc tatgttttgt 180  
gattatgaag ctgagagaca ctggcaagan ataactttta atttaccggt canacaatgg 240  
tattttaaca gcngnggtaa cgattacagt attggggat 279

<210> 339

PA-0020 US

<211> 364  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3297413T6

<220>  
<221> unsure  
<222> 203-204, 211, 216  
<223> a, t, c, g, or other

<400> 339  
atgtaccata ctgcattatt gcaaaaattc actggtacaa aacactttgc agctggtgag 60  
aaggcaataa aaagttgatt tttaaactca ttactataaa ttattcttac agtactttgc 120  
aaattcagaa ttcaaactg catgttcttt ttctaaattg cccacagtac tcgagggtcc 180  
tgaagctaag gcagctgttt cannacaccc ngggangagg tagcagatgt caaggggattt 240  
ccatttctct ttogatgccg acatacttca gggcatcagc ctggctgtat ctgtaatcaa 300  
aaaacagctc ttgccagtc tggatggctc tcttgggcaa aaatacctat cctgtgatca 360  
ccgt 364

<210> 340  
<211> 540  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3326096T7

<220>  
<221> unsure  
<222> 456  
<223> a, t, c, g, or other

<400> 340  
ttgacacatt gcctcatttg ctttttttaa atctattatc tgacttaaac ctattcagca 60  
aaaatgccaa taaattatat taatcatact ttgggtcttt ttaaaactag gaacataata 120  
tgttttatga taaacaataa tactaaatct gagttgtatg aactgttaac ttgaaatttg 180  
ttttagatgt ttagcttaaa acaaaaagaa aaccaatcac attaatacac tgttgcaaaa 240  
gtttctccgg aatgccctcc acatcactgt gtgtcagcat cttcggctt cttcactgag 300  
gtatggaatg cagccatag taggtgtcaa ggcactcatt ctaagctgtc ctatcctgca 360  
catcttagca atcacattag atggagggct gatgatatgc actaactccc aaccaggct 420  
atcttgcttt taaataaact aatttcttta aaaganaatc atcaactaag gactcaaag 480  
ctgaatttag aaattaataa ttccaattca atacacattc aatcaaagtg gttagtactt 540

<210> 341  
<211> 249  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3728208T6

PA-0020 US

<400> 341  
ttaaaaagaa aatgttatat tgtagataat gtgtactagg taggtagccg tatggtgggt 60  
gtgtctgtac tgaatatgta cagttgtttt ttcttgtcat acttccctaa atacaatata 120  
acagttgtct tcatagcatt tacaatgcat taggtattat aagtaatcta gagatgattt 180  
aaagtataca ggattgccta gttataggca aatacacttt tctataaagc acttgagcaa 240  
aatgtatat 249

<210> 342  
<211> 229  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 023582H1

<400> 342  
atggacatga ggggtccccgc tcagctcctg gggctcctgc tgctctggct cccaggtgcc 60  
aaatgtgaca tccagatgac ccagtcctct tccaccctgt ctgcatctgt aggagacaga 120  
gtcaccatca cttgccgggc cagtcagagt attagtagct ggttggcctg gtatcagcag 180  
aaaccaggga aagccccctaa gtcctctgac tataaggcgt ctagtttat 229

<210> 343  
<211> 197  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 089562H1

<220>  
<221> unsure  
<222> 71, 76, 114, 130  
<223> a, t, c, g, or other

<400> 343  
cggtgttaga agcgctggta ggcttggaga ggcggggttag gaagacgcag ggcccccttg 60  
cctagcttcg ntogtncgaa ttcagagcac gtccttccga ggtgaaggaa cgcnaaaactc 120  
cacccatccn attgctgttc ggctgcgggc gggtcctttg gtcgggctga ccctgggtga 180  
gcggcccgga gccaaaga 197

<210> 344  
<211> 543  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 108485T6

<400> 344  
gcctcttcaa tagattgatg tttgtcagtt aaacgagctt tggttacttt gtgttcattt 60  
acctcttggt ctaaccgttg ttgtaatgat ttaagtttgt agtttaaata tatctctaaa 120  
ttattctttt ccttttctga gtgattaagc atgtcttgag cctcttttct ttctccttcc 180  
actttttcga gattatgttt gagatgcttc acctcctctt gtaaagatgt aattcgagct 240

PA-0020 US

tgaagggtctc caatcatctc agaatcatga cctctgtctc ttcgttcagc ttctaataata 300  
gcttgacagct ggtaataatc tttgtctgtt tgtgacttag aattctctaa aattcgattt 360  
ctctcttgca actctctgtt cagggactct aactgactaa ttgacttgct catctctgtg 420  
tgactcttcc tcaatcttac agctgtgtcc gattctgtcc taagtaagtc attggcttct 480  
tctagctgct ttgtaactgg gacagcttct cattagcaag ctgtgaatct gactgacttc 540  
ctt 543

<210> 345

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 169295R6

<400> 345

gcctcggagg cgttcagctg cttcaagatg aagctgaaca tctccttccc agccactggc 60  
tgccagaaac tcattgaagt ggacgatgaa cgcaacttc gtactttcta tgagaagcgt 120  
atggccacag aagttgctgc tgacgctctg ggtgaagaat ggaagggtta tgtggtccga 180  
atcagtgggtg ggaacgacaa acaagggttc cccatgaagc aggtgtctt gacccatggc 240  
cgtgtccgcc tgtactgag taaggggcat tcctgttaca gaccaaggag aactggagaa 300  
agaaagagaa aatcagttcg tggttgcatt gtggatgcaa atctgagcgt tctcaacttg 360  
gttattgtaa aaaaaggaga gaaggatatt cctggactga ctgatactac agtgcctcgc 420  
cgcct 425

<210> 346

<211> 522

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 261205F1

<400> 346

aggaaacaaa ggatatttta ttcctttttt ctggtgttgt tgaggataga tcacgatata 60  
gagaacagca atgggtcaca gcgcacggtt tgggttggtt ccgcgggaac acagaggaca 120  
ggaggggcgg gatctggggt gagttcccac tctcgttatg accttcaacc tctactgtt 180  
cccaagggtc gcacgggagc tgctgagctt ccaaccacc tcgctcaccg ctctgaccac 240  
tgacaggcag agcaaaggat gcgggagttg cctctgctgc ccatctaagg ggacgtaggc 300  
agagaagcaa aggcctctgc tctccctcca tccatcccgg tgtgctggcc ccaacggaac 360  
aggagtcctt caactattgc ctgccagaga cccaattgca gggactgtag tctgcatctg 420  
gatgagctgg gctgtagatt gaagtctcag aagcaggga gggtggaagg ggtaggggtcc 480  
cagagcccat gggagttatt gctgaggaag gatatgcagg gg 522

<210> 347

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 450739T6

<220>

PA-0020 US

<221> unsure

<222> 367

<223> a, t, c, g, or other

<400> 347

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taaaaccctt gtgttcattg ggaggggttc agttcagtc taagtgtttg tccattgacc 60
aaggctgatt gatctcgtgt tggcaacaga ggcaggagga cggttcattt gctcggctat 120
aacttgctat gggtagcctg cagcatgcgt taatgtgcac tggtagctgg aacctcgggt 180
tttcccatca atgagcagaa gtggcatttt cctgaagtag tcaataatat ctgacacaga 240
cagaaagtcc tctttccctc ggagtcagtc tcccaacaag taaacttgac tttccttctg 300
ataacggatc tggatgttgt aaactttatc tttgtacaac accatgagga catatggatt 360
ggttgtngtt tttttagagc tgtctctgac cagaaatgtg ccatcctggg ttatctttct 420
aagagcagct tctgcctctg gtcgggtaat at 452
```

<210> 348

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 502311T6

<400> 348

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gtaaacataa tcctgaatta cagtattttc cataggacaa aacacagcaa gacattttct 60
atttagacag gcaacttttt gatatagagc ttattttatac tgaagaatct ggaacaaaac 120
acaggacaca gtactaatct gtcaaataata ctatgaaatg catagtctcc acttaaaatg 180
ctgaatgaca cacacgtttt gcaagcatta ctgctttcca caaaaactgc tgaataggag 240
ttccgtccct gccaagatca gtgtttaaga gatactttat gatgctgata agtattattg 300
gtgggtggtg tgttcagaaa gtttgtcact catgcagatg tctgaaatct tgttccgaat 360
ccatggaaca caggggtggag gccagctccc ccttttttag atgatcacat agttctgagc 420
agagatgtgg tcctcacctt gcagttcctg ca 452
```

<210> 349

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 511666R6

<220>

<221> unsure

<222> 32, 51

<223> a, t, c, g, or other

<400> 349

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tctgcgcatt gatgaatagg cagcatttta cnaattaact gatgtgttgc ngatatcat 60
ctctttgatg attgtcctc tcttttgtat cctgtcttat aatttcaaca catttgcgat 120
actcaatgtc tattctaaat taaccatgtt ttgtaccaca aactcattgc ccatggatct 180
gttgctgaaa caaggaagtc ttaaacaaga agtggaatct ttctgttatc agattgtgtc 240
tgaatcaaat gatcagaagg 260
```

<210> 350

<211> 435

PA-0020 US

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 567649T6

<400> 350

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ataaggggtg ggtgttattt aaaacaaatg accatatcag atacatattt gtcacaattc 60
ctaagttcaa tattcataag ggctagctgg agaagaccac ttggggcagg aaattagtct 120
gcatttattt tatagcacia ggagcaggac tagatgagcc agagtcattg caggagggtt 180
attctccacc tccaaccctc ttttttcatt cttcaaataa gaatgtgcag aacccttcag 240
gcaatcctat tggttagtat ccttagcctg ttcttgacct tagggagaat cagattcctt 300
tggctctatga cagtaataga agttatttct ttagataaat ttgttttaag gcttttaatt 360
aattctatct tggcattgtg tggttctaaa ttcattcatt catttaacaa aacttacttg 420
agtatccgct ctctg 435
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<210> 351

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 701644T6

<220>

<221> unsure

<222> 18, 62, 64, 98, 102, 108, 202, 227, 300, 409, 426

<223> a, t, c, g, or other

<400> 351

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tgctataaca tttctgancc aaaggcagag ggtatccatt aacttcattg ttgccttaat 60
tnanggggtg gtggcaatgc caaggggtgg aacacaanga anaaaganat attaacgtca 120
gctaagaaat caacatgtta tcaggctata ctgtagttgg ttgcttctgt gttactggac 180
atgacaaatg atctggtaaa tnatgttaaa ttggcttgaa acaaganagt ctcccaattg 240
ttagccacgg tttcagtcag ccctggatga aagatggaaa aatttgacat atatctcatn 300
aagggaattt gttgcttcca tggagattat agatggaggt tactgaggaa ttaggtagct 360
gggtggctta ctccaggcat cccttagtag gtaacacttg agaaaagana aaaatcagga 420
agtcanggaa ataattcaaa ggcatttgtg agcctgagca gatatagcaa tttta 474
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<210> 352

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1237113T6

<400> 352

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ttgtagcagc tgtgtaggta ggctaccagc tccttacttc cagtaagtgg atgtctccat 60
taatttccag cgtgtcaata ctgctgagct ctttaaattct gtgtttgtac tccaggctgt 120
gtacgccatt tactgcaacc ttgaattctc taacatcaca gtaaattatc atctcaaagt 180
acatcccagg actaaatggg aaagaggtaa tatttctctc ttcttctccc caggactcct 240
gaagaaaaga atttcttaca aatgctttaa tattcaggcg tgggttcaag tgtagagcaa 300
```

PA-0020 US

tatcctttga ttttcctgct agtaggtcaa cattaaagct tttggcattt gcattcactt 360  
ctcctttaac gacgacagtt cgtccagggc ccatgggggt gttcaacctt gcagcgaatg 420  
gcaggctctt gaaaagaagc cacagtcagg accaagaggc ctgcagaaag cgatctccag 480  
ggaaaactcg tgtccaaaga aactacaga atgtttcaga gccatgacct tgtaaatccc 540  
a 541

<210> 353  
<211> 75  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1271372H1

<400> 353  
acccaaatga attctaaacc aatcaaattg ctgggaagcc ctccaagaaa aaaaatagaa 60  
aagcacttga agaatt 75

<210> 354  
<211> 256  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1272733H1

<400> 354  
ttcctgatcg tccagcaggc attggagtat attcagctat atggcagtta tgccctggcac 60  
tcattatttaa aatcataatg acagtattca cttttggcat caagggtcca tcaggcttgt 120  
tcattcccccag catggccatt ggagcgcagc caggaaggat tgtggggatt gcgggtggagc 180  
agcttgcccta ctatcaccac gactgggtta tctttaagga gtggtgtgag gtcggggctg 240  
attgcattac acctgg 256

<210> 355  
<211> 220  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1297406T6

<220>  
<221> unsure  
<222> 90, 125, 174, 196, 214, 216  
<223> a, t, c, g, or other

<400> 355  
gaattactat acagtaaaaa ttcaatactg tatatgaccg acacgtatta agcatatacata 60  
caaatgaac ggattgaatg ttcaaaaacn aaggtaaaaa taaatagcaa tgataaaact 120  
ttgnaaaaaa taatgcacat tttagttgtg gaaaatatgg gtcttatata tacntagttt 180  
atacttaata gaaagncatc tccttaaaat tgcncnaaac 220

<210> 356

PA-0020 US

<211> 552  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1297646T6

<400> 356  
gctctgtccc agagagacag ggccatccct catgtctgtt attgggttgt agataaaca 60  
aagtataaat caaacaact gcaaattact ctgtctcttt tcctaataca tacagcaaca 120  
gtcctcagtg gtactgcacc actctggaaa aaatgccttc aggttccttc ccatcccca 180  
aggcagcagc aaatccttcg tgcgcctcc tactggccaa ggcagccaaa gatttgaaag 240  
tctttggctc gtagatggcc agatccgcta ggactttcct gttgagctcc acctggcact 300  
taactaaatt cccaatgagc gctggatact tcagtccatg ttcctggcta gcagctgtaa 360  
ttcgattaat ccagagggtc ctcatgttct ttttcttcag gtatcgggct ttggtgcatt 420  
tcacaaaggc tcgaatcacg gttctgaccg ccaacctgta gcagcgattt ttccttcccc 480  
ggaagtgtcg gcgtgcttca gaactcctgg atccgaaaagt agcggtcggt gacgcgattc 540  
cgcagccaga gc 552

<210> 357  
<211> 303  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1369303R7

<220>  
<221> unsure  
<222> 11, 23, 70, 117-118, 172, 195, 220, 247, 259, 270, 279  
<223> a, t, c, g, or other

<400> 357  
ctttgacaga ngtgaaggct ganacccggg ctgaggaggc cccagagaag aagagggaga 60  
agcccaagtn tcttcgcacc acagcaccca gtcatgccaa gttccgttcc actggannag 120  
agctggagac accatccttg gtgcctgtga agaagaatgc cagcacagtg gngggttctg 180  
acaagtacaa ccttnaacc atccccctca aacgtcagan caacgtagct gctccaggag 240  
atgccantcc cctgacagng aagaaatacn agccactcna cacaacacct aatgccacca 300  
aag 303

<210> 358  
<211> 330  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1395739T6

<220>  
<221> unsure  
<222> 48, 66, 68, 76, 127, 152, 168, 177, 185, 192, 306  
<223> a, t, c, g, or other

PA-0020 US

<400> 358  
aaaatcccat catgaccctg gaagccttta gaacagtttt atccttttnaa acacaggaca 60  
catttnncc agtgcncaga atttcaagtt tacgtgggtc agcttaagaa gtgtatgttt 120  
cacgttnctt agaggacaac agacccaagt tntcactatg agaaaggnac agctgtacca 180  
gcttnaatgg gntaatccaa caccaccagc tacctgtaca acagtaagat ggtcaatccc 240  
tgtctgttac ccaacagggac agcatgacaa ggagagagcc cccatctgac ttaatagcaa 300  
accaancctt ttattcttat ctctgctgct 330

<210> 359

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1430425T6

<220>

<221> unsure

<222> 368, 374, 417

<223> a, t, c, g, or other

<400> 359  
agatatattc caggatatag gaagaatggc aaatatcggc ttttctcaga tatctttgaa 60  
attattttta tgcgtacaaa acatgtagaa gatgcctctc gagatggctt taaaatgccc 120  
agtattaaag ggggacaggt gcatggcagc taaatgcctc aacaagatca tgcagagagg 180  
ggcatccatt ccctcccaag atcctaagaa aagggtacctt gctccagcct ggctgaaagt 240  
ggagcaaaga tatgcatttt ctattggatt tagggtccta ggggtctgtcc tggggcacag 300  
acacctaaga ccatggcacc ttctccccag aggacagcct gagggtaaag tataaattgc 360  
tctgggagg aganacggag agaacagctg tgtctgcagt tcattgttgt gtgagntaa 420  
gcagctctct tcctctctct gtgcttcatt agagggataa atactggta 469

<210> 360

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1443824T6

<220>

<221> unsure

<222> 21, 81, 162, 165, 196, 211, 231

<223> a, t, c, g, or other

<400> 360  
gcaagttttt cacggataga natatggaac tgagcagatt ctttttttct acaaaattat 60  
ggtataaaact tgctcaattt nctatcttat tgctaataaa ccttacaggc gcacagtttg 120  
taaaataaac cccttaagga ctgaatgcgt agagcatgct cncngtacg agaaataagc 180  
taaaaatgag catatngaac ctacatctgg nccaacacag tactgaatgc nggcaaacat 240  
gtatcacaac acagggg 257

<210> 361

<211> 335

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1482416T6

<220>

<221> unsure

<222> 322

<223> a, t, c, g, or other

<400> 361

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aaattttttt ctcacctgtt ttagacaaca gcttgtaata gttttgaatc cattaagatg 60
ttgcttttcaa tttgaaatat tttgtgtata catgtatata aaaaataacc caatgtatga 120
ctcatctgac cgatgtttta gatcaataac ggcttatttt tcaacatgca gtttaggaaga 180
gagggaagca agccaacctc tctacagtat ctttttgctg gcttgttttt gtagtggtat 240
caatagtggg ttttgagggg aaccatgtgc cttcagccta tctagtcaag atcagatacc 300
acgatcaaca agagcggtag angagatggg gaaag 335
```

<210> 362

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1518133F6

<220>

<221> unsure

<222> 10, 176, 359

<223> a, t, c, g, or other

<400> 362

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gttgcttttn tctgccaaaa ggagcctaca ttataaatgc acttattgaa ttcattagga 60
gcgaatatag gaaaagagga ttccaggagg tagtcacccc aaacatcttc aacagccgac 120
tctggatgac ctccgggccac tggcagcact acagcgagaa catgttctcc tttgangtgg 180
agaaggagct gtttgccctg aaacccatga actgcccagg aactgcctt atgtttgatc 240
atcggccaag gtctgggca gaactgcctc tgcggctagc tgattttggg gtacttcata 300
ggaacgagct gtctggagca ctcacaggac tcacccgggg tacgaagatt ccaacaggnt 360
gatgctccac atattctgtg 380
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<210> 363

<211> 261

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1556430F6

<220>

<221> unsure

<222> 36, 106, 109, 134, 145

<223> a, t, c, g, or other

PA-0020 US

<400> 363  
cgcgctcaag cccatcctgc aggcgtggct cgaggnggcc gagggcgccc agcgcgagaa 60  
aatgaacaag cctgagctct tcaacggcgg cgagaagaag cgcaangna cttccatcgc 120  
cgcgcccagag aagngctccc tcgangctat tcgccgtgca gccccggccc tcgtccgaga 180  
agatcgccgc catcgccgag aaaatggact caaaaaagaa cgtggtgcgg gtgtggtttt 240  
gcaaccagag acagaagcag a 261

<210> 364  
<211> 483  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1569648T6

<400> 364  
gatgtcacgt tagattttgt cacaactgga tttagtggaa gcaggggaat caagttcact 60  
attttctgaa acacacaaaa aagggatggg aacaatgact tacaactaag attgctcata 120  
aaagaccatc agaaagatcc ctaaacaaaa gctaaatagt tacagttaat ggtaactggc 180  
aagggattta atgcatttgc tgggtattaag tttcttatgg aatgaatgaa tgaacccagc 240  
agcattttat gacacagctg ccagaacatc ccatagaaaa acaattttgt aggaacgtga 300  
tggcaacaat cagcagccaa tatttctcaag agttcctaata taccaaaagc atatacaatt 360  
ttagtctaga aaaataagtc aattttataa aattaagttt ttagatcgaa aagcaccccc 420  
tttaacaggt acagagatac tgaaaaatag tcctaaaaat ctactaaat agttttacgga 480  
gag 483

<210> 365  
<211> 226  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1642853F6

<220>  
<221> unsure  
<222> 45, 191, 212, 218  
<223> a, t, c, g, or other

<400> 365  
tgacctctga catttttttt gacaacttta tcatttgtgc tgatngaaga atagttgatg 60  
attgggcaa tgatggatgg ggcctgaaga aagctgctga tggggctgct gagccaggcg 120  
ttgtggggca gatgatcgag gcagctgaag agcgcccgctg gctgtgggta gtctatattc 180  
taactgtagc ncttctgtg ttctctggta tnccttntg ctgttc 226

<210> 366  
<211> 273  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1663769T6

PA-0020 US

<400> 366  
gcatagtaaa gacaaaaaaaa ggaaatgcat acataagaaa gggacactta gaaaggacct 60  
gagataccta aatgtctgtt ctaaggaaca ctggaaggag ggaatgcaga tgcaggcagc 120  
aggcctgggt ctggcttctg gcctgggttt ggagcctgca gaagctgctg gcatgctagc 180  
tctacccagg gaacagctcc aagagggagt gttgggatga aggatcacac ttgggatagg 240  
tgctgctggt accaaatgtg attttagctc cat 273

<210> 367  
<211> 212  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1666209H1

<220>  
<221> unsure  
<222> 12, 59, 83, 91  
<223> a, t, c, g, or other

<400> 367  
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tcccccgagg tcggatcccc acngctgtgt ngcccagccg caggctccgtt cccggggagc 120  
cagacctcgg acaccttgcc tgaagtttctg gccataccta tctccctgga cgggctactc 180  
ttccctcggc cctgccaggg acaggacccc tc 212

<210> 368  
<211> 610  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1697901T6

<400> 368  
tgacaaagca gcagtgaacc tctaaaccaa ttaataaaaag tcctctactt acaatccaaa 60  
ccagtaacct catcattgtc cttatcccag gcaaggcaca gggttagaca gcagacagag 120  
aaaacagaga acacagtcag aaagggcatc aacaggacag tgtcagacag cagtgcagga 180  
aattttgcaa atctgattcc aggttgtaga cggactgtc tccccaccc cttcgttatt 240  
aaacagggct cattacatgt ggacccagtt gtgggccatc cctgagattc aatgttcgct 300  
gcttctccac atggaggatg tctggtaact caactcagca gcaggctgtg gcaatctccc 360  
aagtaaggat aactttgttt acagagtaat cgtttcctcc tcctttgtca acgcaagtcg 420  
ctgtgtgctg caggggaaga cacgcttgct tcctcctgca tcggtaccat tctcctttat 480  
tgttcaatat ctatgagtga tttctagatg ttgtggctta cccttaaaca attcatgcta 540  
aaaatgaatt aaaatacaag acatttatac atgtacaaac aaatgttaag atgcaccatt 600  
tctatgtatt 610

<210> 369  
<211> 157  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature

PA-0020 US

<223> Incyte ID No: 1830604H1

<220>

<221> unsure

<222> 28, 45

<223> a, t, c, g, or other

<400> 369

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gtgaggtggt tgagggcata tgtttganag agggagcatc accanaggaa tcctttctgt 60
gaggtggaaa cagtggtcct gaatcattgt gtcacacac aacttgaaat ctggtcttac 120
tttcatgctg ttatgatttc acctggtgaa tcagtggt 157
```

<210> 370

<211> 569

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1867862T6

<220>

<221> unsure

<222> 499

<223> a, t, c, g, or other

<400> 370

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ggattgagca taaaccctc caaaaacaat ttttaaaaaa cccaaaaagt acacaaaaaa 60
cccctgaata caaaatctaa ctttttcccc cagcctccct aagggttaagt tactgacttt 120
aaggcagcta ttaatagatt gcccacaaat tccaggtttc aatttagcca atataggaca 180
tatcaccaag tgagctaatt cacagcaatg cacacaagac tcctcaaggt caggcacaga 240
gtggggggtg gtggccaggg ggaattgagg gaggtctctaa gctaggggca ctgcatgggtg 300
ggacaggatg gccccttgag gactgaacct tggggagaag acaaacagta ataataaaaa 360
caaataacaa gtactttaag aatggattgt atgacctata gtgacagatg acatcactaa 420
tactgaaagc ttcttatatt aataattttg gcaaaatgtc attttgtaat atagtatatg 480
ctttccagggt gtggggggtng taaagtaatg agggccaaaa tcctcctgcc ccaagactaa 540
tatcttctaa tgggtgcatta gcaaggaa 569
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<210> 371

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1890182T6

<220>

<221> unsure

<222> 435, 449, 473

<223> a, t, c, g, or other

<400> 371

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ggatttttta cgtttttttt caatgctttt ctttttctgt cttttttttg gtgaaaatac 60
ttgaccatct tcagatgttg tctctatggt acccctctct attccaacat catcctcttt 120
ctttttctta attggtttct tttgaattct tgctttcttc ttgttttcat catgagctcg 180
```

PA-0020 US

atcagatgtc tctcgatctt cagactgggtg gtgtcctata atgtcctgtg cagcattctt 240  
tgagctttcc aggatttctg tctgttctct ctgtttatct acagaagaaa ctttctcctt 300  
gagttcctgt tcttcgtagc gccttgaact ctctttcctt tctggtttac gatcctcctc 360  
tttccatcta ccctgtctgt cttctgtgag gtgcgagggg ctaagagAAC gagattcttg 420  
aggtcgtaca acttngctca agagtctgng gttttcattt ttaacatctc cantgttgta 480  
ggcaacact 489

<210> 372  
<211> 340  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2072691T6

<400> 372  
gagaggataa gtttctttct cagagtgtgc tgcagccaga cataatattt ctccttgga 60  
gaaactctgc tgttccaatc atacatgtag ccattgagtt caatgtgaag atccaggagt 120  
gggcgttttc tttcttgtct cagtttctgg gagaggcact gcaggtagag ggacgggtgag 180  
ctgtgagact gctccagcag ggacatgtcc gcagtacaca ggctccagaa gaagtcagct 240  
tctcggtgaa ctgtgcacag ccctcgcttc tgagccttga attccacatt cttcatcgct 300  
gggcccaccc acctccaaga aggctgctgt cctccagctg 340

<210> 373  
<211> 364  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2176527T6

<220>  
<221> unsure  
<222> 153, 177, 188, 224, 261, 276, 315, 346, 362  
<223> a, t, c, g, or other

<400> 373  
cacattcaat atggaaactc aaagaatact ttccacctga aacaattaaa ctagattcta 60  
ctagcatata atgcttaaca cattacagca ataaagatgg taatccattg tcttctatac 120  
ctactaaagc caagatggta aagccaattt ggntgcaata gtgtcataag ggtaggntat 180  
taccatcnAA aaataaaaca aaatcagcaa ataacagtaa tggngatga atatttttac 240  
tctgtttcac tgaaaagagg ncaaaatgtt aaacnccac agtactgcag gtgaacaatc 300  
cccattgaaa cttcnccata tgatgtttta atgttttatt cctggngatgt aaagactgga 360  
gnct 364

<210> 374  
<211> 548  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2204560T6

&lt;400&gt; 374

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gaaaagtcct caacgtcctg acgggactcc cctgaagcca aggcagtttg agtccattca 60
ttattctgtc ttggatctta ggcaaaagccc cgggcccctt ggagcagcac cagggttccc 120
gacaccccca ccgacagggt cgaacgtgca caggctggga ccacgccgga gttcattgag 180
ccctcgtggg ggagggcagt tccagggacc aggaaggga tcccgtccag tgtcaggtta 240
tccacctcgg gcagctcgtc aggtgcggc gccctgttca gtctgttgca gctgagatcg 300
agcactctga gcttggctgg cagtccctta ggcacctgtt ccagcccagc gaacgacaga 360
ttgagggagt tcagggcgct ggaccacatg catctcggag cgctagggtt tacggtggcg 420
cgcagaagtt tgtggctgag gtctaggctg tggggctgca cacctgccgc cgccagtgcg 480
gggcacacgc ctgtgggcgt ctccattcct gtgttgcgca cgctagattt ctggatgggc 540
cggaact 548

```

&lt;210&gt; 375

&lt;211&gt; 513

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2233159T6

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 193, 209, 240, 257, 270-271, 362, 382, 496

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 375

```

cagaaatata gttgcgagta tacaaatggt ccaatagaag caaaatatct ttttaatat 60
taacaagtta tcacagatag ctaaaaacat agatgcaaat gaaattcccc cagagaacaa 120
actgaaaata tctggtatca gtgctctgaa atcccaacta tgaaagccat atacacaaaa 180
atgtaaccct tanatcattg caggacaang gaagaaggca gttcagtggc cgatcagtgn 240
gctcaagcaa ataacantaa ctaaaaattn naaatggcag aatggtagct aaaccacttg 300
agaacagggt aatgaaatta ttggtactat acttaaaaca ttaagtataa gaagtgaatg 360
anactcattt aaagttgtca anaaattagc aactacttgg agcttatcaa ttaaaaggca 420
acaaggtaag cagacacatt cattagatca aaagaaatta gatcaagttc actggaatca 480
gtctgttaact actcangtca caatgacttc agt 513

```

&lt;210&gt; 376

&lt;211&gt; 246

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2242627H1

&lt;400&gt; 376

```

accagcaaca acattcacag gtctttgtgc atcatgatgc agctagttct gtggtgatag 60
tctttgacac agataaccgg atatttggtt tgccaaggga gcttgtggta actgtatcag 120
gtgctactat gtcggcattg atcctaacag cttgcattat ttggtgcatc tgctcaatca 180
agtctaatag acacaaggat ggctttcatc ggctcaggca gcatcatgat gagtatgaag 240
atgaaa 246

```

&lt;210&gt; 377

&lt;211&gt; 369

&lt;212&gt; DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2326810T6

<220>

<221> unsure

<222> 367

<223> a, t, c, g, or other

<400> 377

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acaatgatca	cacttattac	ctggcaataa	aaacacaacc	atctttccag	tcagggtcaaa	120
atatacctact	ttttgccttt	ctaccaattc	ccaaacattc	acagtttttc	aaggaccact	180
aataaaatac	aggaagcttt	taaagacagt	aagagaacac	ctagtgtaa	ttagggtgaat	240
taaagatggc	aaaggagatt	acatcctcaa	cactgacagc	ttccaagact	tagaaaagag	300
attgttcctt	gcttctaaaa	ttgtctattt	tccctgtagg	aatgaaagt	ttttccttac	360
aattatnaa						369

<210> 378

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2383611T6

<220>

<221> unsure

<222> 535

<223> a, t, c, g, or other

<400> 378

tgcttggttt	atactacata	attataagta	agcaaaatag	tatgacttct	tttgactaat	60
ctactcctaa	agccttgagt	tgccgttcaa	tctcttcac	tgagattgta	gcctttgaag	120
tagaggcaga	tggtaaagctt	cgagcagctg	atggagcttt	ggccatcttt	ccagaaattt	180
caattccaat	ttcatcaaga	acttgattca	caatatacctg	gctttcttct	tcgtcatcag	240
aaccgtcaaa	gatgtcatca	agtgtatcat	tgatcatttc	ttcagtcatt	tccattttca	300
tgttttcctt	ctggaaattc	tgcatgtgtt	gtaatgtctt	ttgtggatcc	atcttcttgt	360
taactgcctg	cattgttttt	gctgtggtag	acattgctcc	agccatcttc	atttggggaat	420
tcataccttt	tgtttgtgta	gacatagaag	taacttttga	acttacagca	aaagttctcg	480
tottctgttt	ccgtagatgc	acaagttggt	tggctaaaaa	ctttgcaagc	ttccntatta	540
c						541

<210> 379

<211> 504

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2478839T6

<220>

PA-0020 US

<221> unsure  
<222> 234, 468, 473, 483  
<223> a, t, c, g, or other

<400> 379  
caaagcttct ccgatacaaa atatttggtc atgtattcat aatttgcttg acatttccag 60  
caaagcgaag atggcaataa caaaaggaac ttcttacaag agaagagaaa gacccacgga 120  
gctccagagt ttctgttgga acaagactct tctgttttgc ttatatacag ttaagttcgt 180  
ttagtgctctg atccagtgtc tgatgtaagc ccacgttctc ttctttggcc tggnaagtt 240  
tctcttccag gtcatacaatt gtcttttcca gttttgcaac cgttctctct gcaaattcag 300  
cacgggtctc agcctctttc agtttgctcag acagaagttt aatttcttct tcatatttgt 360  
cctccttttc agaatacttt tcagatgcag ctccagagat ttcagattgt tagtaacatt 420  
cttgagggtct tcttccaggt caccacattt tagttcagac acctccgnaa ggntcctctg 480  
ccttctccag ctcacctcc agga 504

<210> 380  
<211> 487  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2498039T6

<220>  
<221> unsure  
<222> 243, 390  
<223> a, t, c, g, or other

<400> 380  
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gaaaggtttg ggtggcgtgg gcctcatgcc acactgattg gtcagtagac agggggcaca 120  
tgccaaacac cacagggcat cagatgctgc tctgtgtgct cacaagtgtt ccctgtctta 180  
tctgggcctt cgaagggagc acaccagaa gcgagcaact gaagcgaagg ggcttcctaa 240  
ggngcccctt ccaggcttgt ctctgaagtc acagcaacac tgttttaagc agtatgttta 300  
attggatgat ttccacaaac tatccacgaa gtttctaacc atcacaattc agtgaagtac 360  
aaaacactga gttacaggct gtgggaagan aaggcagcac caatgggtggc accttctaata 420  
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tcaatgt 487

<210> 381  
<211> 415  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2553130T6

<220>  
<221> unsure  
<222> 223, 274, 326, 380-381  
<223> a, t, c, g, or other

<400> 381  
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PA-0020 US

gcaacagcca tggaggctgt gacctttttc cttcttttct cagcctgcag ttcatttaag 120  
gatcacccga gatgactcgt gctctagttc ttaaaatcaa acttggtctg ccaaatacaa 180  
gaccctgaat ttgtccaaat tgtagaaaca tgctttttacc acncgtccac caaaatacct 240  
cccattcaag tcaacaaccg ctttaattgc tgantcaact ctctcaaatt ctaaaaatat 300  
ccgtactgct tcatcatcag gggcancagg aatttcaaatt atcacacatt ttccaacttt 360  
gccatatttt tcacattctn ncttgggttc aacttccaag tcttcatcca cctct 415

<210> 382

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2652321T6

<220>

<221> unsure

<222> 444

<223> a, t, c, g, or other

<400> 382

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attcatgtaa gtaggagatg agaagcagag tgagaatcac ttttaggaac acagattggg 120  
agcagggtaca ggagaatcct ggggtaggat gaagaatgac ctgggatggt tttggagcta 180  
gcctctggaa tcctttctct tgaccatggc catcagcacg agggcactga ccagcacggc 240  
atacaagggtg gccttcccta gcaagatctc atagaggatg gtggcagaca ggacccttg 300  
ctggtaagac tcggagggtga agccacagtc tgctctaccc caggcctcgg cgctgacgat 360  
ctgggtgaca ggtttggccc tatcctgggt ccactcgtca ttctccgaga gccgtagaac 420  
tggaacttgac agcggaagtg gttncggggg ttctgccaga aggtggccga aaaccctcag 480  
gcggcttctc aggcagtatc tggagtcatt gagggcgggc tgctccttga ggggct 536

<210> 383

<211> 122

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2729382T6

<400> 383

cattaaaaaa actgaaaaaa ttaaacttaa tatatataaa atatatttaa tttgcaaaaa 60  
tgtgaaaaat ctgcctcatc cagtaaacag tcaactgaaat ttttaattaag agtgcctcgt 120  
ag 122

<210> 384

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2766696T6

<220>

0043547-110599

PA-0020 US

<221> unsure

<222> 393

<223> a, t, c, g, or other

<400> 384

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aacatatcaa tttgctttgc agagcaatth acataaaaaat tcatgatgta taccaacgac 60
agcatagcat tatctacctc agtttgtgaa gcatcctttc ctacagatct cagcaaaacg 120
cagagccagt aggggaaatt caagctttca tttgggggcc tctgggggcc tacctgctgg 180
cagttctttc agcagaaaagt ggggtacggg ggatgctgaa gagggggaag tggaccccat 240
tgccgtgtaa gtcccatctg tctcagtttg aagcaacacg ggaatttcca ttggaggagg 300
gttgccctgc cggcctggcc cttctctcac gccccctcta cttcagctac atttcttatg 360
catgttcttc aaagctgtga aaatcaatac aanaaaaact gacctttact tcattcctgt 420
aacaggctat caggatctca aggag                                     445
```

<210> 385

<211> 543

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2783918F6

<400> 385

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cacacttcaa acataaagac aaaaactatc aaaaatatat actgtgttht acatatgtgt 120
ctatthttcac acatatatgt atgtatgtth atatgtatgg aaactacaga agcacatgtc 180
gccataaaga gctctgagac acctttgacc acttaccctt atcagatgcg atttgccaaa 240
tgagttgtgg aaacaagtht tttaaactga atthtctgagc tttgtgaatt tagaaatgca 300
aaggaaagth tgtggacatt tacagggatc atggtthtat tgctctthta actcttcgat 360
actthaccat tgtcttacta taaatccaaa atcctaacgc caccacagag gctthcaata 420
cctggcttht tgtgatttht ccaggctaac cthttaccct ccttcccctc agcctctctg 480
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gga
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<210> 386

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2822377T6

<400> 386

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ctgaaaagat tathttcttg tttaatccta atatgctaag aaaagttcat tggcacaaat 60
atccagaggt atthttacagt thcatthtacc tttgggtggc aagagtatth tgctaaccgt 120
atggatacag tcacatagth tccaatgcac agctthtatg taaagagaat tcaaatgtgt 180
ctctthtttht tgctaaaaaa gggatgtaaa aagtccaata tgaaacagaa cgagtgcac 240
acgaaatata aaatatgcct atcatgtagg cthttgaaca gthaatagct ctacgtgtta 300
tctataaaca thttthtacta gtaacatcac tathgtataa atathaaaaa caaaatgac 360
attaaaaaat agcatatgaa cthttacaaa atggctactt thagtcttcc taaactaaaa 420
tcggattcaa atacgcaaac aaatctacac taactaatca aaacacacca a 471
```

<210> 387

<211> 641

PA-0020 US

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2835582T6

<220>  
<221> unsure  
<222> 212, 218, 226, 571  
<223> a, t, c, g, or other

<400> 387  
aggacatata acacgcccag atacacagca tagcagggcc tcgataatga gataatttcc 60  
ccccacgtct tgagaagaag aatactatgt atttctttat gaacactatt aaaaaaaaaat 120  
aaacccctca caacattctg caggacctag agcccaagag aacccactga agatccatca 180  
tctgtgggat ggcgagggca gtctctgggg ancaggangg aatgtncaca gccaggggag 240  
gctgcagcag ccttgccctct gccgtgaatg tcaggcagtg acaagcagca ataaggggaa 300  
agaggggggtg gcagcagtggt ttggcagctc ttcagcaatc ttaatcataa attcgggtag 360  
gatccagttg gtggcattgc cgggggggca cagaggtggt agcagctttc acctccttgg 420  
gggtgggaga gttccctctg tttggagagg gagaagaggg gcaatgcaga ggaaggagcg 480  
agggagcaca ggctgtctta caatcttgca gatctcagct ggaccacagc cgcagcgta 540  
tgagcagatt aaacccggcc actttcagga ngagattcgg aacccaatca ctgacagggt 600  
ttgaaagttt aggttcgtaa ctgtttcaaa gctttctcga c 641

<210> 388  
<211> 305  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2837720F6

<220>  
<221> unsure  
<222> 240, 255, 277  
<223> a, t, c, g, or other

<400> 388  
tgtatccaga gaccaacaaa accaaaaata aaggtgttta tagcagcaca aatgagctta 60  
caactgattc cactccaaag aaaacacagg ctcacacaca gcaaaatatt gtagaaaaat 120  
tttctcagtt accattcaaa gtggaagcta aacctatgtac ctcaaattgt agaattaata 180  
ctttcagaac agtgccaata gaacagaaac atgaagtctg gggttcaaac cagaactacn 240  
tttgtaacac agacnctgga aactgatggc ctttcanctt ctgttgcttc tccaagtccc 300  
aaaga 305

<210> 389  
<211> 512  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2935837T6

PA-0020 US

<220>

<221> unsure

<222> 48, 61, 231, 314, 390, 400

<223> a, t, c, g, or other

<400> 389

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aaaaaatgct cagcacatta actcaaaactg gaatgacaaa cgttaggntg acagtttttg 60
ncaaaggctg tgccttgctt ttttaaaaaa tgggtacatc aatgctcatt ttaacaactg 120
gcataaaatc ccactaattg gctaataaaa acagatacaa atacagaaca tttaaagtaa 180
taacaattca agtgctgggc tttttacaac aagggggtga taaggaaaga natgaaaatt 240
cactgcaaac cagtctgctg aacgcatctg ttaagggtta ctgtttaaaa aaagaaaaga 300
agaaaacaga aganaaaata aactgaaata gggctgccaa ttgctaccaa cagagtgggt 360
ttggctatta cttttattta gctctactgn acaccttacn agggcgga gaagccactt 420
tgttacaggc aattcacaga gaagccactt accagacaag ctgtctcaga aaaagaaggc 480
ttctttttat ggtcattatt tcaaactttt cc 512
```

<210> 390

<211> 592

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3137077T6

<400> 390

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tttgggtcaag ttgtttccat taaaaagtag tgattttaaa aactaataac ttaaaactgc 60
cacacgcaaa aaagaaaacc aaagtgggtcc acaaaacatt ctcttttcct tctgaagggt 120
ttacgatgca ttgttatcat taaccagtct tttactacta aacttaaatg gccaattgaa 180
acaaacagtt ctgagaccgt tcttcacca ctgattaaga gtgggggtgc aggtattagg 240
gataatattc atttagcctt ctgagctttc tgggcagact tggtgacctt gccagctcca 300
gcagccttct tgtccactgc tttgatgaca cccaccgcaa ctgtctgtct catatcacga 360
acagcaaaagc gacccaaagg tggatagtct gagaagctct caacacacat gggcttgcca 420
ggaaccatat caacaatggc agcatcacca gacttcaaga atttagggcc atcttccagc 480
tttttaccag aacggcgatc aatcttttcc ttcagctcag caaatttgca tgcaatgtga 540
gccgtgtggc aatccaatac aggggcatag cggcgcttat ttggcctgga tg 592
```

<210> 391

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3142624T6

<220>

<221> unsure

<222> 324, 331

<223> a, t, c, g, or other

<400> 391

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aaaataatta ccaacaatac attatgtaca ccattttacag gagggtaaca caaaccttga 60
caggtagttaa cttttcaccc cacatcactg aacgcttaac actcctggct gttacatgtc 120
acaggatacc actgggggtca gtcactcgaa gcacaataaa tataaaatgt ggtccttcca 180
tgaaattttt gataaccttc tccaaaaaacc ccacaaagggt gaggttttaa agaagttttc 240
```

PA-0020 US

tcagaatttc aatgatcttt ctcgtcccct acaaaaagtt cacaaaagca acaaaatgag 300  
ggctgatcct accacaataa gacntttttg nccagg 336

<210> 392  
<211> 564  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3294993T6

<220>  
<221> unsure  
<222> 519  
<223> a, t, c, g, or other

<400> 392  
aggctttgga cacttttagta gaacggaacc agggggtaag gtttccagag aagtcctaga 60  
ggtatatattg tcttgctggg cctcatagat actatcgttt tgactaaaac tgtcaacagg 120  
taggtcttga gtcccccggc cttctggagt gctaggggag ttggagttag aatttacaat 180  
ctgaggagga tgtgagatgg gcagataggt tgaaggcagc ggtggagggg tggggatggc 240  
agcagccgca gggggcagtg ggaggcctgc agccgatttt tcaactgggtg gattcaaagt 300  
accatttagt gttgggtgga ctctgttcgt cagggtgagat attcgggctt ttttattcat 360  
taaaggatca ataaactctg aatccaaaag ccgtttctga ggagaagata cagcatctct 420  
actagaacat acaggagatt ctgaacggct ggtgcctgta gcattctgag acggatttag 480  
ttttctagag agcactgact ccaatgaccg tctgtctant tcaactgtatc caggccagtc 540  
tctttgaagc tctttaaaaa cata 564

<210> 393  
<211> 379  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3820893T6

<220>  
<221> unsure  
<222> 57  
<223> a, t, c, g, or other

<400> 393  
tgtgacttgg gcaacgtggg ccaggagggc ctgagactaa cacatccacc tcggcanaag 60  
gacatcaaat atctcttaca gtcggaaaaa acagcctttt gtgtatttcc ttagttttacg 120  
aaatatactc gaaatgctat tattagctga atttgtgggt tccttttgag tttctgagtt 180  
attcttattt atttttccca ttttgttttt gcaccaagga gaccggagtc aaataaact 240  
cagcgactga tttcctctct ttggactgaa aaattaaaca gatactaaat gatgacagtg 300  
aatttagaga gggctccaag ggcttgaaag aacatgtctg ggataaatatg gtgcttctaa 360  
gagtattgca atcacatcg 379

<210> 394  
<211> 462  
<212> DNA  
<213> Homo sapiens

PA-0020 US

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1403970F6

<220>  
<221> unsure  
<222> 426, 453  
<223> a, t, c, g, or other

<400> 394  
tggccctcag ccttctctcc ctgaagtctg tggccagcaa aaatctggac tttacttcac 60  
tctgatgctg aacaccccc tccccacct cttccccaat atctcagatc ccaagcctcc 120  
ctggtttgct tctaggaagc tcagcaattc cctgaaaaga atgcagctca agtgactgct 180  
ccactttttc accttggcct ttgcggaagg ctgtggctgg gctaccctat gcatcgatca 240  
atgaggtcat atttaccag tgcttggcct agaggcccaa gacagggtca gcagtgcttg 300  
ctttggctct agtttgggcg ttggttttgc agcctcagca tcagcacagg caggccctct 360  
tctccagcag tgctctggct gatatttctt ctttttcca cagccaatcc cactaatcct 420  
gatgangctg acaaagttag ggctgagaac acnatcacta tt 462

<210> 395  
<211> 361  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2749575T6

<220>  
<221> unsure  
<222> 221, 243, 258, 281, 301, 324  
<223> a, t, c, g, or other

<400> 395  
catctccaaa aaaatagttt tcatctaaca attatgaaac aaatttgaaa ggcaggatga 60  
ttcacaaat agaccagta gaggttata cttcatataa atgaaaaata tcagttctac 120  
aatttaaag tttactttgg attttattat agaagaaaat atcattgtaa ttataaaagc 180  
cataaaaaatt ggaactgtat tgtgaaatta catcaaggta ncagatttta tataaatgaa 240  
cantaaaatt caattttnat ttatttaaac gtagttaaac nttggaagac aatctcccc 300  
ntggggaaga aaaaaaaaaa aaanccttga ataataaagc cccaaaagcc acaccacaaa 360  
a 361

<210> 396  
<211> 329  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2753531T6

<220>  
<221> unsure  
<222> 166  
<223> a, t, c, g, or other

PA-0020 US

<400> 396  
cgatgccacg tgggccccag ctcacccggg tggaggctgg gagctgaaac cgaacccagg 60  
caggagatgg gcgacggcgg aggtgcaagg cagggcacgg cgcacaagac gagggcggcc 120  
gggcgggggtg gattagaggt cactctcgcc gtacagcgcc gtgganaagg acatgtagtc 180  
cagagcacct ggcacggagt cggggccggg gtagggggcc atccgcgcga tgcagtactc 240  
agcatggtcg ggtggcagct cgcggcgcac tcgtccatgg taatgtagtt ctgcgaggag 300  
agagtgtgca agaaggccgc aaagtccag 329

<210> 397  
<211> 217  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2875779F6

<220>  
<221> unsure  
<222> 214  
<223> a, t, c, g, or other

<400> 397  
cgggggcccgg acgaggacga agaggaaacg gcggcgggcgc ccggggagtcg ttgaagccct 60  
ccgcgctggg ggccgccagg aaccattctc cccaagccca gaggcaggac ttcgcagcag 120  
gatgggggtgg agagcccgcg ggagtgaccc ccacgagagt gaacgcccct cacactccca 180  
ccatcgcccgg ctggccccgg agcgggaggc ccgnagc 217

<210> 398  
<211> 131  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 042222H1

<220>  
<221> unsure  
<222> 12, 22, 45, 50, 60, 77, 104, 106, 110, 117, 126  
<223> a, t, c, g, or other

<400> 398  
ctgaataaac anggagggat gnttctaacc cgtgcaatgt ctggnaacan taaacttggn 60  
ggacaggact tcaatcngag attgcttcag tacttatgta aacngntctn tcaaacntat 120  
ggcttngtgc c 131

<210> 399  
<211> 285  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 088219H1

PA-0020 US

<220>

<221> unsure

<222> 112, 117, 133, 240, 260

<223> a, t, c, g, or other

<400> 399

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gtttctcaca gatcccaa at tggccatgga agtttatttt ggcccttgta gtccctacca 60
gttttaggctg gtgggcccag gcagtgccca ggagccagaa atgccatact gncccantgg 120
gaccgggtcgt tgnaacccat gcagacacga gtgggtcgga gacttcagaa gccttgcttc 180
tttttccatt ggctgaagct ctttgcaatt cctattctgt taatcgctgt tttccttgtn 240
ttgacctaat catcattttt tctaggattt ctgaaagtta ctgac 285
```

<210> 400

<211> 512

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 149812T6

<400> 400

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tgaataccct tatcatattg ctttaa atga cagaaagatt aaagctggca tcctctatag 60
tatactaagc atgaatgtaa agtatgagaa taaataggag actttcctaa atgtcaaatt 120
acaaaaccgc tcaaaacttt gtaattgtga ctcattgcaa taccttgta ggtcaactta 180
atattacaaa tactgcatca gctcggtacc tttatatccc ttttcataaa aaagaaattc 240
tcaactccact cctgaagcca gcaaacagct ctggaggaat tacctgtaca cccaagtgcc 300
acgggtcactc tggaatttta atacacacac acacacaccc ttactcatga acatacacat 360
tttacaacaa cacaatgggtg tacacacaca cacacacaca tccacacaca ccccatcttt 420
aggatttgta gctgattcca agcctgcact tatttctatt ctatatTTTT ctttgatatca 480
tcctgaaaca cactggttgc tcagcaaaaa ta 512
```

<210> 401

<211> 592

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 182514T6

<220>

<221> unsure

<222> 320, 352, 426, 428

<223> a, t, c, g, or other

<400> 401

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tattaagggt ccttaaaaaa ataacttata tttaaagccc tttctctctt gccctctttg 60
atatttaagg tatacaggat ggtgaggggt gtgccaggac agtaaggcag ggggctacag 120
tgggcagagt agctagggga gtcaggcgga caagggtttc agtcctgctt ctacagggca 180
agctattttat cctctctgaa ggtttctgta cctgagaaat gggcacttcc atgccacct 240
ctcaaggata ctgtgaggag ccttgcccag agcctgtgca tggtaggagc atgtcagttc 300
atccgcctaa agaaacagan tccagggcct taggctggct caaggggcag angaaaagac 360
aatggcaata agaacctctg gagcttaaac caaaccactg atgccaggga gccagccagc 420
caccntncc tgctgcagtg tgtgacggga cacacagatg cccctgcgcc cggctcctct 480
ctatggagggt ttaagcatct cttgagcagt tacacatcac ttgcccttc ctctcacctt 540
```

cccccatctg tgggatattg gtgcaggatt gtggcatctg tgcacgtgaa tc

592

&lt;210&gt; 402

&lt;211&gt; 550

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 492443T6

&lt;400&gt; 402

```

attattgata gatggaacaa aattcatgtc ccttgcttga atcttttagc gagctattca 60
gagattctat atccccattt actcatgggt ttttcaagggt gaatgaaaca acataccctg 120
ctttcaatat tttctccaaa tgcaaagcaa aaacagaaca aaaaactttg aaactttaaa 180
tcttctttta aacaatccaa tcacatttac agaagtgtcc aaaaagagat gatggataat 240
atcagtgccg gcactatgtc atacagcaac ttcctcatat tctttgacgg tttgtaaata 300
attttccata tcacaaaaag ttacaaaagg ttccacagtt tccttttagca agctgaagct 360
tactcttcat ttgtcaatgt gcataaaaag tgcttatagc atagcatggc gtaagtattt 420
tttaagcaat aaatgggttg agtcatctat tttgtcctga aatgctatct gtagttaact 480
gcactgctta taaatgggtc tagtaaattc agcatgaaaag tggatattac agaaaagacc 540
agcaagcaga                                     550

```

&lt;210&gt; 403

&lt;211&gt; 439

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 516262T6

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 29, 49, 75, 81, 85, 96, 115-116, 143, 154-155, 195, 330, 355, 365, 400, 426

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 403

```

acaacacgcc cagacacaca gcatagcang gcctcgataa tgagataant tccccccacg 60
tcttgagaag aagantacta ngtcnttctt tatgancact attaaaaaaaa aatanncccc 120
tcacaacatt ctccgggacc tanagcccaa gagnnccac tgaagatcca tcatctgtgg 180
gatggcggag gcagnctctg gggagcagga gggaatgtgc acagccagcg gaggctgcag 240
cagccttgcc tctgccgtga atgtcaggca gtgacaagca gcaataaggg aacagagggg 300
gtggcagcag tgtttgccag ctcttcagcn atcttaatca taaattcggg taggntccag 360
ttgngggcat tgccgggggg gcacagaggt tgtagcagcn ttcacctcct tgggggtagg 420
agactnccct ctgtttgga                                     439

```

&lt;210&gt; 404

&lt;211&gt; 505

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 567292T6

PA-0020 US

<400> 404  
tgatgaaaag aagttttata taccatataa acaagatttg tcagatttga aagtgaaagt 60  
taaagtaatt tacagtttagc ttttaaccct ctccgggacat ttagatacat cctgataatc 120  
catcttgtat tagtgtgtgt caattttaca atacactggg gaaaactcag ctattgtatt 180  
taacggtaca gtttcattta tcaagtgttt cccattaatt ccattattag tgacagctaa 240  
caagtgacct catcaaatga agtgaatgac attagactgt ggcagagtaa accacatctg 300  
gattgctttc tataattcac cagtttgcag gaagtaaaca ttctttgatt tgttcataat 360  
atactgaagt tacctataac actggtgcag taacacagct agttcctctg tattgttatg 420  
gtagaacggg attttgtaat ataaagttaa cagggaaaaa atgctcacac attatgtggg 480  
tgaactttat ctcacaaaa gagct 505

<210> 405

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 927392T6

<400> 405  
caccaactag gtcacaggga atgttaatta aggcaagata ggtagaagga aaggagggta 60  
tgtacagcaa ttgctcctct ttacggagaa gagaacctgc cacagaacaa gatgcagttg 120  
gttttgtggt gcctgatgaa gaaaagaaaa ggggtggtctg cacagaatct tggctccatt 180  
ctgctgcacc ggaattcct gaccacagca gtggctgcgg cagcctctgt gccttcctca 240  
ttgacctcca cgaagcactt gtgggcaacc ttggacagag gcacattctt ctcagttgac 300  
attccagaaa agtctgcctt ggcttcgtca aaagcatcga tcattcctaa tcttcgaagg 360  
aaaggctcca agtcataact ctctccagc tttaatctgg gaaggaaaac ttgaacctta 420  
ctttttgtca acttttctga atttgtccag gctttgaatt tctcatatgt aagtgtcttt 480  
tccaccacgg cgaaggtccg tgttgtcatc g 511

<210> 406

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 936419T6

<220>

<221> unsure

<222> 144-145

<223> a, t, c, g, or other

<400> 406  
ataaaggaaa acaaaaaaca aaaaaaaca aacaaaaaca aaaaaactta aggtatgttt 60  
cctgcaagca aaatggagaa aaaggtatta ttgttggtac tatgattatt aagccacaga 120  
cacataaaat ccacaaaatg gatnncggc tttagaaatg caataccgta tcaaagggtgc 180  
agactgtttc aaatgttctc tacatatgtg gctgaaacaa gaaccaaacc aaacttcaac 240  
cccacagcg acgcaatgct cctgtgacct tggtgaaaac atcgtcgtga ccagctagat 300  
ccaggaaatcc ttctctagag acacgtggaa acgtc 335

<210> 407

<211> 347

<212> DNA

PA-0020 US

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1268604T6

<400> 407

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atggtctcat cccttctttt catagtctct tcctcttcct catcctctgc attgatcacc 60
atggtgcccc gttgtgatgg caacgtgtca tcgtgctcaa tcatagtatt ggctccatca 120
gtcatggtgc tggctactcg gacagtgcc atctcatcac ccactgctcg aaccatcgtg 180
ccagaatcca tttcatcctc ttctgagttt tcttcatcgt cctgggccac ttcccgtgc 240
tgggattcct ggcgtttcag ttccacatcc atggcttcat taattaagtc tcgcagtatt 300
gacactcctt tggcactcct gacaaatggg tgctgcagga gctgagt 347
```

<210> 408

<211> 227

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1290504F6

<220>

<221> unsure

<222> 101

<223> a, t, c, g, or other

<400> 408

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ggcttcggga gcgcccgggc tgatccgagc cgagcggggc gtatctcctt gtcggcgccg 60
ctgattcccc gctctgcgga ggccctctagg cagccgcgca nttccgtgtt tgctgcgccc 120
gcactgcgat ttacaaccct gaagaatctc cctatcccta ttttgtcccc ctgcagtaat 180
aatcccatt atggagatct cgaaacttta taaagggata tagtttg 227
```

<210> 409

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1314775F6

<220>

<221> unsure

<222> 23, 77, 144, 155, 157, 164-165, 177, 184, 297, 304, 315

<223> a, t, c, g, or other

<400> 409

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ccgcagcccc tttctcttcc ggntctaggc gcttcgggag ccgcggctta tgggtgcagac 60
atggccaagt ccaagancca caccacacac aaccagtccc gaaaatggca cagaaatggc 120
atcaagaaac cccgatcaca aagntacgaa tctcntnagg gggnggaccc caagttnctg 180
aggnacatgc gctttgccaa gaagcacaac aaaaagggcc taaagaagat tcaggccaac 240
aatgccaaag ccatgagtgc acgtgccgag gctatcaagg ccctcgtaaa gcccaangag 300
gttnagccca agatnccaaa ggggtgcagc cgcaag 336
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PA-0020 US

<210> 410  
<211> 438  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1347582T6

<220>  
<221> unsure  
<222> 360, 410  
<223> a, t, c, g, or other

<400> 410  
atagtacccc cacgattaca cagctttgaa caagtgaac tatggttacc aaacagctat 60  
ttttattata gcatctacag tgtctggaaa aggatgtaac aataaataac tgtagacgca 120  
tcacgagaca tccatttact taatcacaga agtggatctt gctacatagt tttctcaatg 180  
tcttcattct tcagattctc caggcttacg aatgtcatca atcttcaaaa tcattctaac 240  
cattttgtgtt gcaagagata tctgttgctt tttgccaatc aaggtttcta tgacatgctg 300  
ttgcttcata tcatttgctc ccttggtgcaa acagtcgatg ccaagagcag gggttcactn 360  
cttcacctgt ctggctcgga cttcgggtcat agtctggatg gggattcatn gccactgggt 420  
ttcagagaag ggccatgg 438

<210> 411  
<211> 162  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1395143T6

<400> 411  
gctggggcct aatgtttctca cataacagta gaaaaccaa atttgttgtc atctcttcaa 60  
agaatcgaga attgcgtaca aaaaaacctt acataaatta agaatgaata catttacagg 120  
cgtaaatgca aaccgcttcc aactcaaagc aagtaacagc cc 162

<210> 412  
<211> 349  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1507333T6

<220>  
<221> unsure  
<222> 295  
<223> a, t, c, g, or other

<400> 412  
aaaattgctg ggttttagctc tcagcagccc gctcctgagc tctgaggaag cttgccttct 60  
tttgagctac ccgatccttc ttctgagcaa gggacatttt gggacgggtc cacctcttct 120  
ttttaacttc tttcttgggc ttcttttcat agactggatt ctctcgata gcagcatgag 180

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ctttcttata catctcctcc atcatgtctg gagttacgct gttctttatg tattgagaga 240  
actgtttctt gtaagcatct tcatcttctt ccattaagta gcgcatgtaa tctgnaacat 300  
tctgggccat gatgtgcttc cgatgtactt ctgcattaaa ttccttgct 349

<210> 413

<211> 524

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1517479T6

<400> 413

gtaataaaat aaatttaagt ggcacctaata ttaacattta aaatagttca ttaaaagata 60  
atctacaaaa caatgttatg cctaattgtc aaaataaacac cttttttttt tcaagaaagg 120  
agaaataaag gcataatcaa aattatggct aacaacgtgg gttcattttg acacttacag 180  
atgattctgt aggcataatcg gcaggcaoga tgttgaaaac caatccacta gatttaaaat 240  
taatggtaag ataaaaaaga aaagatacac atttcagagg taatgtttga aattaaagaa 300  
aaatatccac catatattac aacagatctt ttaatgacta tttttaacat aaagattgtt 360  
gttttgaggaa acatctattc tctttgaaca tttcactaaa ttttcaatgt attaaataac 420  
tgacagaaat aagttctgtg ttctgtacaa attaaaggtc ccatggaata cataaccccc 480  
tcccagcccc accaaagctc aattttgcat ggtttcagca gaaa 524

<210> 414

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1701950T6

<220>

<221> unsure

<222> 98-189, 240, 246, 263, 279

<223> a, t, c, g, or other

<400> 414

aaagataagg aagttgggtg tgatgtttac ttctctatga tgatgcttct caaactttca 60  
tgtgcataca actcctttgg atctcatcaa aatgtccnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnt ggagtacaac acaaagaggg ttcacctgg cctttcctgg gtcattgagan 240  
gccttnttca gcgttatctg gcntctccca agcacaatnc ccaagcaaaa aggtttcgat 300  
gc 302

<210> 415

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1730294T6

<220>

PA-0020 US

<221> unsure

<222> 522

<223> a, t, c, g, or other

<400> 415

gcagggaagg	gtcatggctg	gagggtaggt	ccagggtggtc	cgggctctgt	gtctggtggt	60
agggtgggct	ctggaggtgc	agaccgggg	gctgcctagt	gttcgggaac	gcagcttccc	120
gtctgcaggg	gcgtgaaaat	gtcctcctcc	gagagtccct	tgcgctgcac	caatttctta	180
aattcttcca	gggcctcccg	gttggtatca	gaattcctac	ccacaagctt	tcccatgtgg	240
agcaggcccc	catggtgctg	gtctttgcag	taaaagatgt	agtggtcctt	cctgggcagc	300
tcctgcagg	acatgagctt	cctgccccca	taggcgctgt	atttgccagg	ctcctccgtc	360
ttccgcatca	ggattttctt	ctggatgcac	cgatcctccc	tcatgaaggt	gaacgtgggt	420
tccaacttcc	caccgcccag	ggctgtcacc	ttcactgggg	acaccttctt	gggctcctg	480
tcctccggaa	agtccttata	gaccaccatg	gccttcacgt	ancaggctct	gtgatatact	540
cctcctccaa	gggtgaagg					559

<210> 416

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1730609T6

<220>

<221> unsure

<222> 97, 244

<223> a, t, c, g, or other

<400> 416

ataaaatgta	ttctttcagt	ctttccgggt	gttccttttt	tacaaaaaca	aaaaggcaca	60
taaaaacctt	ccccgctgtc	atttccacag	atgggagggg	ttttcaggca	gccctcccc	120
ctccccccat	agagctacat	gcttcattcc	aggacgtctt	gcttccccac	atgctgcggt	180
gctttcctac	cagggtagag	ttccaaactc	caagactgaa	gtacacaaag	aggggggtggg	240
tgtnngatgc	agagtgtgtg	gcctgatgct	ccacggcggtg	caggacgggg	ggctaatagt	300
aggtttcctt	ctccacccag	ccgccagggc	gtcgcctgat	gatgagtttt	ctgacttcgt	360
catatacgaa	gatgagaaga	gagtagggga	aggcacagaa	ccaccaggta	ggtttgaggg	420
gatacatcct	aagagcaaca	cccattccag	ggcagtagga	aaggaaagca	gccaggggtg	480
tctcttcaaa	gaggccaaat	attcaagatc	ttgttcttca	tcccctgct		529

<210> 417

<211> 504

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1752762T6

<400> 417

tacagtagaa	atgcagacca	ctttggatag	ctatggctcg	atacttcttg	gtgccctcct	60
cctaagacat	cctcttctta	cattccactg	aacagaaaac	catcccttct	actggcatga	120
acttctgccc	aatgaggcat	ttgctgcagc	aagagcacag	aaagcactct	gtggatgcat	180
gccagctgaa	attgttatag	gtcaccgcgt	gcacttcttg	gtcgatggca	ttgtggcatc	240
cttgacacac	cacagcgtga	ttcttcacat	agcagggtct	gcacacgggc	ttgtcattga	300

PA-0020 US

ccatcacgta tatctcccca gctagaatgc tatcacagtc aaagcagcag aagtgtttca 360  
gggtgccaatt ctgggttttct gcctgggtat actcattgct gaatatcagc tcgtcacagc 420  
cagcacatcg ggggttctcg ctggtcacag taatgtctgc cacagtatag ttctcattct 480  
tccaaaaata aatcatgtca aacc 504

<210> 418  
<211> 557  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1760583T6

<400> 418  
tataatacat tggctcgtaa tttttatttc cacatggtta cacaggctga atgactagct 60  
cacaatccca ggaggtatta taagttttgc tcttcaaaaa atgggtgttac tgttgtaagg 120  
ggaaaagtcc tcaatgacaa agaaatgaca ctaatgaaaa caaaatcaag aacgatccac 180  
tggtactgca gggtacagag aagctgtcag tgagcagttc cccacctctc gcaagcaaag 240  
gggatcaagg gctaaaaata ccttagaaaa atcaaacagc acctgcaaca catgcttata 300  
taaaggccaa acttgcaaat tcttccttct cgtccatgct gcccaaatgt gaaggaatta 360  
catataaggc taaaatctgg cgaatcttct cacttcttcc tcttctttgt ggaatataat 420  
ttttctgcga gtgggactgg gacaatccct tcacattctt ttagttcctg ggtcagaggg 480  
tgtttgacaa tattcccctc taatcacatc tatatctcga gacaagggtc tccaccatgc 540  
tttcaacagc tgcggtg 557

<210> 419  
<211> 587  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1888251T6

<220>  
<221> unsure  
<222> 415, 542  
<223> a, t, c, g, or other

<400> 419  
agagttttaa taagtcctgg gtgtctggtg ccaagggtgag ggaaggggtg ggcagagaga 60  
tgaggggcag catcagtgc gctggcaggc agaaccctaaa ttctgcaggc ccaggacagt 120  
gggtccccc ttctctgggg aacaggaggg gcctgtgtct ggccaggctg aggttccaga 180  
tctgttgcca tcatggcccc ttcagggtcc tgggaaattc ctggcttctc ctaaatcagg 240  
gtgaactggg cctccaggat caggctctga gcaggcccaa atatagtcct ggatctgcct 300  
ggattagggt ccaatgtctg agtctgggtt ccagatcaac tccagacccc aggctggatc 360  
tggtcccatc tgagttctga ttccccttgg agctgggctc tgggcccctg gccancatct 420  
atccttgtgt ggcattctgt ctgagctggt cctggggcac catgcatagt tagtgttctt 480  
tggtggccca ccagggtggg gctgtccaga actgccaggt cttaactccc caagttccag 540  
gntcttaact gggggcttct tttggatctc tggcaaggct gaggaca 587

<210> 420  
<211> 62  
<212> DNA  
<213> Homo sapiens

PA-0020 US

<220>

<221> misc\_feature

<223> Incyte ID No: 2061030T6

<400> 420

aatggcagcg gtcctcatag gacagaggag tgagttctgt caacagacag gcggccccta 60  
ct 62

<210> 421

<211> 287

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2070387T6

<220>

<221> unsure

<222> 234

<223> a, t, c, g, or other

<400> 421

aggactttct gcttaaaata tttaaaattt acatgtgcac acaaacaaac acagggtccc 60  
ccacccatgg ggaagggcga gatgactctg aataaaggat ggaggagaag aagaggggtgt 120  
agacggaggg cccttgaccc ctacaggggc agcaggataa ggaatagaat ggggcagaag 180  
gtgggttatt aagaagcatc ttgcttactg acatgaagcc acgtgcccag cganagcaca 240  
gatgaggcct cattggcgta gaggaggccc ttggaagggc aggcaca 287

<210> 422

<211> 604

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2107288T6

<220>

<221> unsure

<222> 578, 584

<223> a, t, c, g, or other

<400> 422

ttacaaaaga gcattacatt ctgcacactg ctctgaacag atgccaggga catgtggact 60  
attgttactt ttctccctg tcccaccccc caaatgttac agtgaccaca aagcaagggtg 120  
ttcacaataa ttacatggg ggaatttttt aaaccaccaa caataacgaa aaataaaatc 180  
cactcactct gctgctgttt caaaattttca atgttagttt ttgcacgccc ttcccccccc 240  
caaccctggt tgtaagggaac taaaacatta catctggtga acagcaaaga tttcactaca 300  
cctcaaatgc agaacaccta tgaagcagag gaatgttggc tttttaaaaca gaagcagata 360  
aaaaaaaaa gatgcaggac tccttcagtt cttcactagt cttagaaaaa ctttccagaa 420  
tactgcttca cactgttctg cagcaaatat tgtgcattct gtatctgggtc ctgtgttcct 480  
gtaatggtaa tgatccgatc ttcggatcct tctaaaggct catcaatttt gatcgaagct 540  
cccgaactcat gacgggattt gtttaatccg ctgaccanct ttgncaataa tagatccagc 600  
caaa 604

PA-0020 US

<210> 423  
<211> 458  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2176305F6

<400> 423  
tctaagatgg cgactgtcga accggaacc acccctactc ctaatcccc gactacagaa 60  
gaggagaaaa cggaatctaa tcaggagggt gctaaccag aacactatat taaacatccc 120  
ctacagaaca gatgggcact ctgggttttt aaaaatgata aaagcaaac ttggcaagca 180  
aacctgcggc tgatctccaa gtttgatact gttgaagact tttgggctct gtacaacat 240  
atccagttgt ctagtaattt aatgcctggc tgtgactact cactttttta ggatgggtatt 300  
gagcctatgt gggaagatga ggaaaaacaa acggggagga cgatggctaa ttacattgaa 360  
caaacagcag agacgaatga tctcgatcgc ttttggttag agacacttct gtgccttatt 420  
gggagaatct ttttgatgac tacagtgatg atgtatgt 458

<210> 424  
<211> 585  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2198796T6

<220>  
<221> unsure  
<222> 561  
<223> a, t, c, g, or other

<400> 424  
attaacatgt aaactcacat gtacaatttt actttttgtc atatatttaa atattttctt 60  
atctgcagag ctatctcagg atatgaaatc ataacatgct agcaactagt aatttaacat 120  
taaaacactt ccctaaatta ttccatggaa aagtgcattt acaatataaa catgtcatat 180  
atgaagctac aaatcataat ctactggag tggatataaa atttcaaatt cagtccaaat 240  
gagtcaaaga aaaaagtgtc aacagagcaa atctgaaaca agttcatggg gattgggtaa 300  
tgagtcacatg aaacgaaatc ttttggaac catgctgcta tcctctggga tattctcttt 360  
gtctttctta tcaccacagg ttccattaca ggaggattta gaagtcttgt cttcagagga 420  
ccttacagaa tgatcctgag tttgagagga actggaagtt tcttcagggt gaaacaagtt 480  
ttcaaagtcc cactgctgta gccagaatg agaaaggcat atctctgctg ttgggtcttt 540  
tctctgggat tttttactaa naggctctga ataaagtctg tgggg 585

<210> 425  
<211> 347  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2345762T6

<220>  
<221> unsure

PA-0020 US

<222> 120, 305, 331

<223> a, t, c, g, or other

<400> 425

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acaaaaaagc caggaacacc ctacccaacc cagcccagtg taacagggtta gccattaaca 60
cagaataaag aaggtcccag ccacacacgt cattactcgg cagaggggtgt ccagcctggn 120
cggccgacgt cacagtggat ggccctgcgt ggctgggaca cagacaggga gcaggcatgg 180
caacctgcgc caccgagaag cagcaaggct gagcatgacc actggaaata aataaacatg 240
gtgccgacag catctttaa ttagtaagac gttagcaca aaacaaaaaa gcacaacgac 300
tgaanatgca cttgcttggt gtggtgggtt ntgcttgaaa acacctg 347
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<210> 426

<211> 538

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2447063T6

<400> 426

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ctttacaaac tatgtttttg caatatatgt gttacaacac acatttcctt atgaatgtat 60
ttgttaaadc tttttgcaga ggaagtaggg aaaagtgagg ggagaagagg aggaataaga 120
ttttagaact aatcgtcagc aatgggccta ggtatttggc aattatttcc tttacaaaaa 180
aattacaggt ttgtaacttc aaacatcaaa agtgtagtgc atcaatttaa ctaaaaaaatc 240
agtagtgcct aatatattat ctgggcatca aatttccttt tttaaatata tccagattca 300
catattttta ctcttattaa ataatggttt taaataataa tcatcacaat gtttagctac 360
ataatcccag atctggatta aatcatgggt atatcgatat ttttaaattc caatttattt 420
gttaatcagt aaaatgtaat aggtgatagt gtgtccagag atgagcctcc tatgtgtgga 480
agacgtagtc ttattacacc tgctatcaat taggtcttta catagctgct aatgtatc 538
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<210> 427

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2492212T6

<220>

<221> unsure

<222> 9, 87, 328, 330

<223> a, t, c, g, or other

<400> 427

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ccccaaatnt gatgaaaaca aagttttata taccatataa acaagatttg tcagatttga 60
aagtgaaggt taaagtaatt tacagtnagc ttttaaccct ctgaggacat ttagatacat 120
cctgataatc catcttgtat tagtgtgtgt caattttaca atacactggg gaaaactcag 180
ctattgtatt taacggtaca gtttcattta tcaagtgttt cccattaatt ccattattag 240
tgacagctaa caagtgacc catcaaatga agtgaatgac attagactgt ggcagagtaa 300
accacatctg gattgctttc tataattnan cagtttgac gaagttaaaca ttctttgatt 360
tgttc 365
```

<210> 428

<211> 305

PA-0020 US

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2542309T6

<400> 428  
ttatgaaaaa atttttagtg cttaaaattt tacgatccat accatatctg ccatagtaaa 60  
aattcatttt taacacagct aagatgataa ctcatagata ccacagtaac tttttttag 120  
gtatttaaga aaaccatttc ttccttcttt ctccagccta atttctatga aaatattagt 180  
gtctaataatt ttacatgacc cagcacacct tagtaaattgt aaacattcta aatgatttaa 240  
tagcaagctt tgaaagttca gatttttaaag tgctcatgaa attctcaagt ggttttgtaa 300  
aagtt 305

<210> 429  
<211> 389  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2807227T6

<220>  
<221> unsure  
<222> 25-26, 68, 100, 107, 194-195, 200, 248, 278, 326, 347, 356, 363,  
376-377, 379, 384  
<223> a, t, c, g, or other

<400> 429  
gcaaatacacc gcgatcccag attannccag ccggccgggt gcctccctcc cgtccgcctg 60  
ggcagtttag gccaatcagc agtttaggcg cacaggtgcn ggctcanaaa gcagcagcaa 120  
tctccggtgt gttctggaat cagaagttaa ggtccacgtc tgattagttc ccttcgtttc 180  
attagacttg gctnnatgtn tgccagtccc actagagctt cgatttcaga cttcctatga 240  
caggtttntt cacagaaaac tctggccacc aggatgcncg ctccaacacc ttgctttcct 300  
gcaggacagc gccccagagg tttttntaga gctcgccgtc ggtctgncaa tcggttnagtc 360  
canaacaaag tcacgnngng cgtnacgtc 389

<210> 430  
<211> 521  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2878786F6

<220>  
<221> unsure  
<222> 259, 507  
<223> a, t, c, g, or other

<400> 430  
gcttcatatg atgttgtgag gaatgacata gatttcttta gaaatattaa atttaactac 60  
tgcattcttg atgaaggcca tgctcatcaa aatggaaaaa caaagttgtc aaaagcagta 120

PA-0020 US

```
aaacaactga ctgctaatta taggattatt ctttctggaa caccaatcca gaacaacggt 180
ttggagctgt ggtcattatt tgatttcctc atgccaggat ttttgggtac tgaacgccag 240
tttgctgctc gatatggtna acctatatta gcaagtaagg atgctcgaag ctccagtcga 300
gagcaagaag cagggtgttct tgctatggat gcgctgcacc gccaaagtact accgtttctt 360
ttgagaagaa tgaaagaaga tgttttgcag gatcttccac ctaaaattat tcaagactat 420
tattggactc ttagtcctct ccagggtcag ctottatgaa gattttgcta agtctcgtgg 480
ccagtgtgat gttgatggaa cagttcntca gctacacttt c 521
```

<210> 431

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2926914H1

<400> 431

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ggccgtacca ctggcatcgt gatggactcc ggtgacgggg tcacccacac tgtgcccac 60
tacgaggggt atgccctccc ccatgccatc ctgcgtctgg acctgggtgg ccgggacctg 120
actgactacc tcatgaagat ctcaccgagc gcggctacag ttcaccacca cggccgagcg 180
ggaaatcgtg cgtgacatta aggagaagct gtgtacgtcg ccctggattc gagcaagaga 240
tg 242
```

<210> 432

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3141751T6

<220>

<221> unsure

<222> 140, 180, 190, 289, 292, 320

<223> a, t, c, g, or other

<400> 432

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tcaacattaa tcaagaaatt cctccatctg caaaagtcag cctatgccat taaatacagc 60
caagatcata aaatacaaat gtcattaggt ctactgaatc ttgagattca ttcactagaa 120
tacacagga aaaggaaaan gtttgccctt gtgaaagggtg tgtatcattt tttagaagan 180
cttctgaaan tctcaaacat ctgtgagtgt gctaagagcc gttacaaagg tattttatac 240
aatctatgct gagtcagcta ggagttagca ggaggctgga tgcagatgnt anaacatacc 300
cctgcagatc tgttgttatn aagggatgac ctttgga 338
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<210> 433

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3537363T6

<400> 433

PA-0020 US

```
catcctccag tttcttgatc ttggcctcag ccgtgacctt ctcaagttgc agcttctgcc 60
tggcagcttc ctccctcctcc agctgttctt caaggtccag catctgctgg gccatcttct 120
tcctttcagc ctgtagctgc tggccctgt cttcctcctc ctccaggcgg gcctccatct 180
catgcagtat ctccctccagc tctgtcttct tggccgccag ccgcacccgc atctcctcag 240
cctctgcata cagctctgtc tctgcctgca gctgttctct tagcaggttc ttctcctcgg 300
gtcagctgcg agtgcttctg                               320
```

<210> 434

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3967402T6

<220>

<221> unsure

<222> 111-112, 185, 193, 196, 251-252, 257, 278-279, 283, 307, 338, 363

<223> a, t, c, g, or other

<400> 434

```
ccacagttca atcccctagc ctatacgatg ctctttcccc tggccatcat ctttccctcc 60
ctgtcaccta cacagtcaac ctgtcccaaa ccttggccca cttcatcctg ncttctgcg 120
gtcacagctg cctgctgggt gggagtccgg gggaatggta tgtgtggtca ccagagggca 180
ctgantgggc ttnagnggca tgtgaatcct ggcagagtct cggatccccg atggggagag 240
gagaaagcag nngccangac aacgagtggg ggaaggannng ccnggctaag tgacgggtgg 300
ggggctcnggg ttgtaactcc agtgtacaca ttgacagnct ctatattggc ttcaccagcg 360
ctnctctgtt tgtctcgtcc ctggat                               386
```

<210> 435

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1218810R6

<400> 435

```
cgcttgaggag aaggccggaa gcttaccagc cgagaaggaa ttcctagcta gcttcagagc 60
cgggtaggtt tgcttgggac cttgtaggcc ggctgtgggg gactccccgg gtcgcacagc 120
cccattgttt gcatattgcc cgagcaggcc acggtggcct gcgcgccccg ggactcgcaa 180
gcagctccga tcggttgga ctcggggcgg cggcagcagc gctgagccgg cctggatgag 240
gagatgcagc ttcttgcagg ggccaaggaa ggatctgggg acaaactgtc cggaactctg 300
ggccagggag gcgagaagga gagagagagg aagagccgag gcagatggag gactttggcc 360
acaactgcc a tgtactcaag agtagaaccg agtgggtaat gggtcgcttt gctttttgt 419
```

<210> 436

<211> 514

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2747633T6

PA-0020 US

<400> 436

```
tacagcagat aaaatcagtg ttactgctct cagatgttaa ggtagcaac ctttctggca 60
tatgctaatt catcatgaac tccaatagc tgaactgaat ggcttttaag tacagctata 120
aggctctcatg gtataattcc ttttggtgat gccagtgaca ggattttaaa agctacattc 180
cattaaaaat taaaaatata gcagcttttc caggggaact agatcccaa attgtacca 240
gaactcttgt ctaagatatt aagttaaata tcttgcatgt atatatcatt atagtaaata 300
agtattcttg acaaccacag tgtaagaaat taaactttgg ctaattgttt tccccatcat 360
gaaatcagtc ttttgctgtc ttcataaata aattatgacc aaacattaca aatactttat 420
acatgtttac tgatttacag agaattttta ataatacagaa ctcaccagtt tcatagtatt 480
gtacattaaa ttataagcat ataaccactg ctac 514
```

<210> 437

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3119391T6

<220>

<221> unsure

<222> 401, 409-410, 415, 425-426, 434, 448, 450

<223> a, t, c, g, or other

<400> 437

```
tcagaggctc tgggtaatag cattcctgag attgatgaca tccattacct cactagtcca 60
acttctccag actaacgcag acttttctct tcccttggcc tttcctctcc tcgccattgg 120
gccaatccct tcgatttctc atttcccttg aagttagggc cattcacagt ttcattggta 180
aagccagttc caggttcaat agtctgtgat ttatccaggc tctgaggtat gcaccgcttc 240
tgttttgctc gttcctccaa gagctagttt ggccagaaaagg gggatgcttt ataccataga 300
acacatccac cttctagaac ctgctctaga aggcaggcc ctcagattcc acatggttgg 360
agttctggcc aagtctggag ctttcttcac actcggctct nagagctcnn ggtnagaaa 420
aaacnnagca tggngagaga agacagtntn agaccgaggc ccctggagga cct 473
```

<210> 438

<211> 540

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2052083T6

<220>

<221> unsure

<222> 17, 28, 30, 233-235

<223> a, t, c, g, or other

<400> 438

```
attcagcagt acgaaanccc tccctggnen ctcccaccct ctcatggctc acaactggta 60
gaaagggtcca gaaatccttg agctctggaa aggtcccttg tcagtccttg gggagctcag 120
atagctatat tggaagaacc tgctcaagta cggttcttga tgtctgggga atcctttcgg 180
ggaagatcac ttcaaactca ataagaggt cccacagttt ctggggtgtt tnnngaggg 240
ggaggccttc tccaggaact tttcgccgca tgccaggcct gataacatct ttgaatacga 300
cgggtatcgt cctgccgtcc agagtgggga cgttcactgt gcagccacac agagcctccc 360
```

PA-0020 US

ggaggctgat cctggcagga taaatgacat cagagccatc tctcttaaag atattgtggg 420  
gcttgctcctt taaaacaaaag acgatatcag ctggaatgtt gttggaggtc tggctcctt 480  
ccttgggggaa agtgattttg gttcttcttt ccaacccttc ttcacttcga tggccaatat 540

<210> 439  
<211> 141  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2701222H1

<220>  
<221> unsure  
<222> 14, 124  
<223> a, t, c, g, or other

<400> 439  
ggctattgta aatnatgggtg ctatgtacaa atatctatat tattgtatatt acaagtataa 60  
tgctgtaatg tacacacatc tttttgagat cctaccttca gttcttttga gtatatagcc 120  
agangtggtta ttactaaatc t 141

<210> 440  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 708939T7

<220>  
<221> unsure  
<222> 2, 189, 358  
<223> a, t, c, g, or other

<400> 440  
gngcagcatg aaacaccaag agccccactg ctttctgctt tagaagcagc tttggtgcag 60  
aaaagattcc cgtttcccca ccgagttctg ttgtctctgt acacacaaga agccagaaga 120  
tatttttttt tcagtgaact ttctcctgga agcaaaggag aagctatggg agatccaggc 180  
atggttttng cttctggagg ctgtttttttg gttactgggg tctcttcaaa gcaaaacggg 240  
atcaggatga agaggggggaa aggcattgggc cataaataaa taaggaaatt tgccccgatt 300  
ctacaaatgc atctgatgga atgaggaggg tcaggctgtg agggattggg ggtagctnca 360  
ggctgctgtt agggacacac ttgagctggt tcattccctg gagtgccccg caactgcgtc 420  
tagggagagg caggcccaag caca 444

<210> 441  
<211> 502  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1964291T6

PA-0020 US

<220>

<221> unsure

<222> 305, 396, 402, 417, 487

<223> a, t, c, g, or other

<400> 441

```
catattggct ctattaaaaa ctcaggtaat aaagcactaa gcttgatttt tgtattgcta 60
cagtctcttt cttctaaggg gaagaaaatc tccccaagaa taggatgcta cctgaggaat 120
tatgccgaat aaagaaaagg aatggatggg cggcagtgaa attttcttcg ggcatcaaca 180
tgcagaaaagt tgcgatgcct gctgtggcag ctgccgcctc tgttccctct tcattcactt 240
ccacaaatga cttgtggaca atttttgata taaaaatata tctggctcct gacatgccag 300
acagntcagc cttgtctactg ttaaagagat cctgcacacc taggcgggag aggtcggagt 360
tgagagtgtg actctcttcc agtttgaacc tgggcnagct gncattaact tcaatgnaat 420
cgagattctc aggttagtcc actcatgcaa ctttttccaa agtcaactgt tcctcaatct 480
tcttcangcc cgtggactcg tc 502
```

<210> 442

<211> 579

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2455118T6

<400> 442

```
ccctttaatc agaaagtctg attaaattca atagtaactc aaactcttaa aaaatttctg 60
gaaaagtcaa caggatacat acatcacaga aaagcaggca gctgctgaca gttctttggg 120
ggaaaagtaa gttgcgtact tacccaagct gcccaaata ttatcaagcc aagtttggtt 180
ttcaaaaata ggttttaaga tacaccaag aaactatata atacaaaaat ttaacaatga 240
agttaaagta tatagcaaaa gccaaatatg acaacacaca tgtataatgt agaaaagaat 300
cctttcagtc ctagaaaact aaaatgggga gaacttactg aagggttaaca tacataaaat 360
gagtactaat agcaaggaat aatcctaaac attttcccaa taaactgact aagcctcaaa 420
aggacagctt aggaaaatga ttaacatgca gtttttcttt tttcctagcc aattcagttc 480
tacttagata aatctggttg ccaatcaata catatataaa ttaatttttt tctgctccaa 540
ttactacat tttttctttt caccttttcc ctaattttc 579
```

<210> 443

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2839121F6

<400> 443

```
gtttttaaaa ctataaatgt tgtctttttt atatttttat gaaaaagcag tagaaaatta 60
cttttgaaga aaacaggcta tttaaattt gaaatatatg tatgttgatg gtttaaggag 120
cctgtaattg tcagttttac aaaaccatct gtgttcaatg gttgtaaata aattctcaaa 180
acatcatttc aaaggctgcc tacagaatat tatcacttga cagatagagt taataaatta 240
ccaatcaggg acattttata atgtttgtct ctgtaaagggt aatattagca gttaaagaac 300
acggatgaga aaagaatgtg ttacataggt tgcatacact gcagttaaat aaaactcaca 360
atgtgtgctc acaagctt 378
```

<210> 444

PA-0020 US

<211> 569  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 356774T6

<220>  
<221> unsure  
<222> 481  
<223> a, t, c, g, or other

<400> 444  
gaaaaatata taaagccaaa agctcataat aaaattaaat catgatacaa ccaccacagg 60  
caattaccat caaatacatt cccatgattt acaaatgtat cgcttataca gaggaagttg 120  
caaaatcact gccagtacag acacatccag tctaattaac tatcgtctat tcatacaaca 180  
gcaacaactg cagctcctga gaccacagaa ggacacagtg agcagctggt gactgagcca 240  
gggtagcctc cgatcaataa ctgatcagag taatgagact tcgagaggaa tgcctataag 300  
aaatctcaaa aggtatttgt ttgggtgcag aaacaaatgc accctccaca tttggatttt 360  
ctctagaaga atctgtggcc aaatctctta tccaatggag gtactgagtg gctggatcag 420  
ttaccatgca agctcacgat gaatgagatt gaatttggtt ctgtgtgcac actgggctct 480  
ngggagggag gacaccctg tgtgttgctg ctgcttcctg gctgtctact gtatccttca 540  
tgtgtctcca aatgggacat gcccatg 569

<210> 445  
<211> 390  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 414523T6

<220>  
<221> unsure  
<222> 19, 53, 73, 77, 139, 141-144, 322  
<223> a, t, c, g, or other

<400> 445  
tgcttaatgt gattctgana agttctttga cattctcata aaaacagcac atnccccacc 60  
acccttcaaa gancaanacc cagtttgtca agaaaaattg cgtgccagtc ttttctggtg 120  
ctgaatatgt atgttctgng nnnnttctg gacactgctg gtaaatttag aaactcgttt 180  
agaaaagcac ttctctcgta ttcaacagcc tataggctca tggcgagaa tctaagggaa 240  
aatggctaaa tccagcttgt gaattcgcg gctgtgatga ttctttccaa gtaaataaaa 300  
accctcggtt cgccccgacg anccacataa tctgttcaaa tccaacaagg aaccagattt 360  
tggacgcaaa gaaggatacg ttctactcgc 390

<210> 446  
<211> 429  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1359550F6

PA-0020 US

<220>

<221> unsure

<222> 26, 66, 186, 216-217, 241, 267, 310, 318, 387

<223> a, t, c, g, or other

<400> 446

```
cgccaccttt ctgctgtgtc gctccntccg aaatcacaa acctacctcc acctgcacct 60
ctgcgngtgt ctccctcttg cgaagactct cttcctcgcc gggtatacac aagactgaca 120
acaagatggg ctgcgccatc atcgcgggct tctgcacta ccttttcctt gcctgcttct 180
tctggntgct ggtggaggct gtgatactgt tcttgnggt cagaaacctg aagggtgtga 240
nttacttcag ctctcgcaac atcaagntgc tgcacatctg tgcctttggt tatgggctgc 300
cgatgctggn ggtggtgntc tctgccagt tgcagccaca gggctatgga atgcataatc 360
gctgctggct gaatacagag acagggntca tctggagttt cttgggggca gtttgcacag 420
ttatagtga                                     429
```

<210> 447

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1521513T6

<220>

<221> unsure

<222> 15, 66, 181, 183, 215, 221, 235, 255, 262, 271, 286, 289, 294, 302, 327, 333, 361

<223> a, t, c, g, or other

<400> 447

```
taacaaatc ttatnaagtc ctttgaagtt cagcgcacaa atttctcgtg tggggcggtg 60
ggtgtngcca tgttcttgct cttccttctt tacacatttg agttgtgcct tctgttctta 120
aagagatttt cctttgttca aaggatttat tcctaccatt tcacaaatcc gaaaataatt 180
nangaaacag gttacatcat tccaattttg ccttnggggt naagagtctc tcatngtggc 240
acagtctctc agggnaacta tnttggtggg ntccctaca tccanaanc tcanagactt 300
tntcaaaagt gtgcogttca cccattncca ctnaccctcg acaacctggt ctgacagtcc 360
nataaaaaac tctctcattt taggtttctt                                     390
```

<210> 448

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1667912T6

<400> 448

```
aaaattccat agttatatac agtaacatca atttcaacaa cagcagtaca aagcacacat 60
ttgacttaca ggagcactga ttgccaaaga ataccaaagt gtttcacctt gatgatccat 120
gggaggaccc cacaacacta cagacaggta ggaggagaa caatgacatt ttgccgtgaa 180
cttagttgag ctacaggaa aacaaaaaca aaaaacacat caccaggatt ttgcatttta 240
cattcactag gatgtatgac agatagagtt aaaacatcaa caacttaaat ataattaaat 300
actttttaag aaatattatg ctttaaatata tttaaaaata atctctttgt ggatgttata 360
ataaaataat gtcacactgc acctggggga ggttggggaa aataaataag cttttcttca 420
```

PA-0020 US

agctctgact ctcagtccat gtatgaagg

449

<210> 449

<211> 204

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1694490H1

<400> 449

```
gtctggaggt gtccaggctg tggggaccac attgctccaa gccagatatg gtacaggact 60
gtcaacgaaa cctggcacgg ctcttgcttc cggtgttcag aatgccagga ttccctcacc 120
aactgggtact atgagaagga tgggaagctc tactgcccc aggactactg ggggaagttt 180
ggggagttct gtcatgggtg ctcc                                     204
```

<210> 450

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1818802T6

<220>

<221> unsure

<222> 445

<223> a, t, c, g, or other

<400> 450

```
acatagagag caagtccatc cattcatccg tgataaaatt ttagaaatat tttctataaa 60
atgttttagta ttttaattgga aatgaatcca gtataacatg acttccacag atacagcatt 120
cccattctca ctccattcc tattttgaga aattttaaaa atacagaaaa gtacaaaaaa 180
taagacaaga tatccctata ccacaatcca gaatcaatca gtatcttctt atatttactt 240
gaagtctttt gaaagagaag tggatgttta tataaaaagc tgaagtcccc ttttaaccaat 300
acccatccca cctcccacac tcattatttt cccttctcca ctcttcacag gtgaccacta 360
tcaagagttt ggtctgtatc ttccaatccg gttcaaaaac atgtacatac atatatgcat 420
ccattaccaa tagatagtac tgagntttat gaggaacttt taattccaat ttacaaaaaa 480
gtcattgtac tatctgtatc attctgcaac ttgattcccc c                                     521
```

<210> 451

<211> 75

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1855389F6

<400> 451

```
ctcctgaagc cagcgagacc acaagccac tgggaggaac gaacaactcc aggcgcgcaa 60
tgaacaactc caggc                                             75
```

<210> 452

PA-0020 US

<211> 442  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1905291F6

<400> 452  
agcctgcata taatTTTTTT ccttTgtggca taatcagtaa ttggTctgtt attcaggctt 60  
catagcttTgt aaccaaatat aaataaaaag cataatttag gtattctata gttgcttaga 120  
attttTgttaa tataaatctc tgtgaaaaat caaggagttt taatattttc agaagtgcac 180  
ccacctttca gggcttTaaag ttagtattac tcaagattat gaacaaatag cacttaggtt 240  
acctgaaaga gttactacaa ccccaaagag ttgtgttcta agtagtatct tggtaattca 300  
gagagatact catcctacct gaatataaac tgagataaat ccagtaaaga aagtgtagta 360  
aattctacat aagagtctat ccattgattt cttttTgtgg taaaaatctt aggtccatgt 420  
ggaaggaaat ttccatggtg ga 442

<210> 453  
<211> 606  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1968621T6

<220>  
<221> unsure  
<222> 504, 598  
<223> a, t, c, g, or other

<400> 453  
gcactcagca ggatggctct agagatccgg cctccccag tctctaaact gcttttcagt 60  
taatTTTTctg tctctttgcc tgctgtatat gagtaatgag actgtttttc ttggtaggtt 120  
ctcgcatact ctccaggatg tttgggtttt tagagacacc tggtcctcag ctggggacaa 180  
tgGCCatggc tcattacctg gccttcaggg ttcaagcagg ggacatatac ccctaaataa 240  
cctaaggagg atccatcaca ctacaaccac cacctccacc gccatcatca agaagccact 300  
ggctgactga gatacacttc caggaggaca agacagagtg gatgctggaa agacagggca 360  
ggggaccatc accagggaaa gacttcattc ttggaaggac atcgaaccgg gggcagggtc 420  
gtagtggagc cgctgtttct tctgctgtat ccaaaagtgc taactcttcg gctttctgca 480  
ttttcagctc tttcttttcc tggncctctc attgtggtt cctgcacacc tcccctctat 540  
tcctccccc aatatattcg ttagtctaaa ggaaatttct tcttcctatt cccacantc 600  
tcagat 606

<210> 454  
<211> 169  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 522294T6

<220>  
<221> unsure

PA-0020 US

<222> 109, 122

<223> a, t, c, g, or other

<400> 454

```
ttatttttact gtgtacgccc aggatccagg caatctttcc agacacatct acttcccagt 60
aatattttccc cgaagagaaa tattggcagc cgaagacacc aaaagcagna aaatcacatg 120
gntttgaatt cttaaagtgt caggtgcgta cagtttcact gtctctgat 169
```

<210> 455

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2469208T6

<400> 455

```
atatactgtt ttaatggata caaaaataaa tattcattca gcatattaaa gatatgtgct 60
ttgacattca tttgaattgg agattcaagc ctattgttat cttatgaaca cttcagcaaa 120
caggactgcc attcttaaaa atataatgct ttgttggaca aaagggacaa gccacgtccc 180
ctggctcctct cctctattcg cctgtgaact ccatccacac gtaaaggacc tctgggtctg 240
actgtccctt ccacaggcat ggtgctggga aaaggaaaca ggcatactct gctttcagat 300
tttaaaccgg aaactctcac agt 323
```

<210> 456

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2642654F6

<220>

<221> unsure

<222> 445

<223> a, t, c, g, or other

<400> 456

```
tttttctgcc tccaaaaggc tgggaatggg aaggagagtg gatagttgat cctgaaagaa 60
gcttgctgac tgaggcagat gcaggtcaca cggagttcac tgatgaagtc tatcagaacg 120
agagccgcta ccccgggggc gactggaagc cggccgagga cacctacacg gatgcgaacg 180
gcgataaagc agcatcacc agcgagttga cttgtcctcc aggttgggaa tgggaagatg 240
atgcatggtc ttatgacata aatcgagcgg tggatgagaa aggctgggaa tatggaatca 300
ccattcctcc tgatcataag cccaaatcct gggttgcagc agagaaaatg taccacactc 360
atagacggcg aaggctggtc cgaaaacgca agaaagattt aacacagact gcttcaagca 420
ccgcaagggc catggaggaa ttgcnagacc aagagggctg ggatatgctt ctc 473
```

<210> 457

<211> 605

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

PA-0020 US

<223> Incyte ID No: 2651610T6

<220>

<221> unsure

<222> 7, 310, 314, 405

<223> a, t, c, -g, or other

<400> 457

```
gaaagtntcc cttccaaatc acagctgtaa ctaaaatcca accattccag gaaatagaaa 60
tatcaacttg ggggcttcct gagaatgtca gattgtggat tgcaagagtc aaaaagagat 120
tttccagtc aacctaccca ctggacagat gaggaaactg tggctgaagc gaggggtggg 180
gtctgggagt aggaagggg tgtgggccct ggcgatggt gctggagcca ccttgagcc 240
accacctggg caccctctg ccctgccctg gtcctcccta tcatggctgc tgttggtact 300
ggctctctgn gccngttaga agtcatccag cacactctg atgtattcga aggtcggccg 360
ctcctccgga cggtttttcc agcagcgcat catgatgtg taganctcct ctgggcagtt 420
ctctgggcga ggcattccgt atccacgctc cagagctcgg atcacttcag ggtttgacat 480
ccctgggtaa gggatccggc cgtaggtgac gatctccatc agcaggatac caaaggacca 540
gacgtctgac ttgatggtga aggagccaaa gttgatggct tcaggagctg tccacttgat 600
gggga 605
```

<210> 458

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3558108T6

<220>

<221> unsure

<222> 133, 182-183, 374

<223> a, t, c, g, or other

<400> 458

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ctccgacagg acgcacacac acggcactca tgctcctaaa aactggggtt tgtgaaggga 60
cattataaaa atgaggaaat aagctgtgat gttcagcatg tgtcagtttc taggaatata 120
gagaagggga ganctgcaag gtggagcgat tctgagggtt gaaaatccct ttcccagtac 180
gnngacagca tccttcaatc ccgccagctc atgtgcatct gaggggtggg ctctgtcttc 240
atgctagaaa ccaaactgct ctcacagctt cctgctaaat caccacggct aacggataag 300
cagagacgga ctatccagtc tgactactgg gcactcaagt cgtcagttca gtggctaccc 360
gggaacgggg gcanacagtg tgcgtgcacg tctacggggc 400
```

<210> 459

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3810351T6

<220>

<221> unsure

<222> 145, 266, 331, 352, 355-356, 376

<223> a, t, c, g, or other

PA-0020 US

<400> 459

```
ttaaaacaat gagaagtgtt attgtcatta tactgccatt ctataaactc actgatacaa 60
tctgcccggg attcctgttc tttggccaat cgaactctct tgatcatcgc ctcaatttca 120
tctctagcct gcatcacatc tctgntaatt cccaaaacct taatcaaagg tctcttatgg 180
tccagggaat tgtaatatct aacttcttct gcagctcatt caactcctga tactcctttt 240
catcaaagtc tttgatgcac tcatctcac tggtgtaagg acactgttct ttttcaatca 300
ggtcttgtag ccaggagata gcgattcca nacacgtgac atttttacca gncanncgaa 360
aagttgctga ttctgngttc ttttccaaaa ccaaatgatt ctttttttgg ggagat 416
```

<210> 460

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2075438T6

<400> 460

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gtccagcagg aaacccttta tagaaaaccc aaatcctcat cttggagttt ctcccttcagc 60
cagggcagca cttgaaagag gttgatgtga aagtctcggg cgtgagcagg tacctgcttt 120
tgccgcttct ggttttttga gacatccact actccccagc tgattacacc aacttgaatg 180
aaacgacttc tcttgtgaac tatcaagggg ccgccagaat cacctctgca agtattgggg 240
tcagcatagg gactcactcc tccagtacaa aggaaccgag gggtgaccac ctctgagatg 300
tccttgactt tgtcatagcc tggggcatat tgagcatctc tctcacagct gcctttctta 360
tccccattct tgatgtagac ctccctccga gtcagttttt ctccctctca gacacaaaca 420
gagctttgat atcctgtgca ggg 443
```

<210> 461

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1929583F6

<220>

<221> unsure

<222> 215, 282, 297, 328, 357-358, 377, 380-382, 402, 410

<223> a, t, c, g, or other

<400> 461

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gagacatgag cctccaactg tgtggttggg ctcggtagca catcgtggga cttgggtgtg 60
cgccccagag tggtttggcc ctgcagtgc cagagcagcc caagccgcca ccatggtgaa 120
attgctagtg gccaaaatcc tgtgcatggt gggcgtgttc ttcttcatgc tgctcggctc 180
cctgctcccc gtgaagatca tcgagacaga ttttnagaag gcccatcgct cgaaaaagat 240
cctctctctc tgcaacacct ttggaggagg ggtgtttctg gncacgtgct tcaacgntct 300
gctgcccgct gtgagggaaa agctccanaa ggtcctgagc ctcggccaca tcagcannga 360
gtaccgctg gccgaanccn nnctcctgct gggctttctt cntgaccggn ttcttgagac 420
agtgatcctg 430
```

<210> 462

<211> 465

<212> DNA

<213> Homo sapiens

PA-0020 US

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1870501F6

<220>  
<221> unsure  
<222> 394  
<223> a, t, c, g, or other

<400> 462  
ttggagtgaaggatttggt aaagattcca taacaggatc tgggttagag aatgcaacca 60  
tctcagtggc tgggtattaat cataatatca caacaggcag atttggtgat ttctaccgat 120  
tacttggttc tggaaacttac aaccttacag tagttttaac tgggtatatg ccattgactg 180  
ttactaatgt agtgggtgaaa gaaggaccag ccacagaggt ggatttttct cttaggccaa 240  
ctgtaacttc agtaatccct gacacgacag aggctgtatc aactgctagc acagttgcta 300  
tacctaatat tctttctgga acatcatcct cctaccagcc aattcagcca aaggactttc 360  
accaccacca tttccctgat atggaaatct tctngagaag gtttgccaat gaatatccta 420  
acattaccgg gctttattcc ttgggggaaat cagtagagtc aagag 465

<210> 463  
<211> 531  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1873942T6

<220>  
<221> unsure  
<222> 53, 97, 329, 413  
<223> a, t, c, g, or other

<400> 463  
tcctttatatt gtcccaactg aggggtgggt gtgggggtgtt aaataagatt tagnaataggt 60  
ggggacgctg tacaggggggt ccgggaaggg ggctggnngc aggcagcagg tcagtgcacc 120  
tgaggctggg ggtgcccgtg gcagagccct cctgggtggct caggggggtg gccagcttc 180  
tctgcctcct gctccactga ctggctcccg tacgactgt cttccttcac ctctgtgctg 240  
ggcagcttgt ctgggttttc tggaccctc agcagcctca ctccctcctc taggcccattg 300  
tcagacaggg cctccagtag acctgccang tccccgccag ccagctcgta gctgcgcagg 360  
aggctgccac tgggtgaggt tgtctgtcgg tacgtgtcta ccaggctgcg cancccagac 420  
gctctgccag ctctgccag ctgccctggg cttctggccc gtctagcagc tgctccaggt 480  
tctgcagagc tgtatcacca agtgacagtc ccggccctgc tgggctgggc g 531

<210> 464  
<211> 498  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1865713F6

<220>  
<221> unsure  
<222> 16

PA-0020 US

<223> a, t, c, g, or other

<400> 464

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aagatgtttg gcg tanagag ttaa atctca aataggctat taataaagtc tacaacatag 60
cagatctgtt ttgtggtttg gaatattaaa aaacttcatg taattttatt ttaaaatttc 120
atagctgtac ttcttgaata taaaaaatca tgccagtatt tttaaaggca ttagagtcaa 180
ctacacaaaag caggcttgcc cagtacattt aaatTTTTTg gcacttgcca ttccaaaata 240
ttatgccccca ccaaggctga gacagtgaat ttgggctgct gtagcctatt tttttagatt 300
gagaaatgtg tagctgcaaa aataatcatg aaccaatctg gatgcctcat tatgtcaacc 360
aggTccagat gtgctataat ctgtttttac gtatgtaggc ccagtcgtca tcagatgctt 420
gcggcaaaag gaaagctgtg tttatatgga agaaagtaag gtgcttggag tttacctggc 480
ttatttaata tgcttata
```

<210> 465

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1726703T6

<220>

<221> unsure

<222> 515, 536, 539, 554

<223> a, t, c, g, or other

<400> 465

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ataagaacag ataatttaca attaacatta cagtatgtac attgcaataa atacatgggt 60
gtaaacagac aaacaagact gtattacagg taaggctcatt tggtgagaaa aaaaatgcat 120
ggcacaaaaa ataaataatg cattcaaaaa ttatcataaa gctttctgta aaatccattt 180
cattcaagtt ttttctttcc ttgtctgtaa tttgttctat ctacattatt gtgaatttta 240
actgatataa aacaaaatta aaacagcatt attgtgttca gtaacttgca agctgaaatg 300
cactggtttt atacaaaactt ggacattttt ttccccatac agtaccaga tattgcattt 360
tcttatggca ttttaggaaa tgtaaagcca cttgtaaaag gatattcttt tattcttttt 420
taaagcagta tatatttctg aagcacattt tgggcaagag agaagggcaa ggataagccg 480
ttgtacagtg cattagtccc tggctcttgg gatantgagc cttttctggc aatttngant 540
ggtcccatTA agtngggg
```

<210> 466

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1738538T6

<220>

<221> unsure

<222> 196, 206, 229-230, 239, 243, 252, 255, 265, 267, 299, 302, 306, 318, 346, 350, 391, 394, 422

<223> a, t, c, g, or other

<400> 466

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cattttatta ttcccaaaga atcaagccca tcatgagtag cccacatggg tgctgttcaa 60
```

PA-0020 US

aggtactgaa aagggaggca tttggtcacc attaccatc aaggaactct ttacaaggat 120  
aggttccaag tccttcgtgc tgctcttggc cattcagtga ctgcagtttt ggcccagaag 180  
ccatccaaga tgagcnagtg ctgagncatc cttaactcat acctagatnn aacaacttnc 240  
gcngaaacgc tngtntccc cagtnanccc ttagcatcat attccaatac aggaaaggna 300  
tnaggncagc tttcatgnga tacatggaaa ggcgctcttt gctttnatcn aaggggaagg 360  
tttctagcgg tctgctttgt agtcaaactc ngcnagaatc acacggttgt agccggtcac 420  
cngtggacat gatgtgt 437

<210> 467

<211> 276

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1742602H1

<400> 467

gacagagttt gacagggaga tagaccgggg atccctcaac cctggaaaac agctgtttga 60  
gaagatgggc agtggcatgt acttgggaga gctggttcga ctgacccatg tcaagatggc 120  
caaggagggc ctcttatttg aagggcggat caccgccggag ctgctcaccg gaggggaagt 180  
taacaccagt gatgtgtcag ccatcgaaaa gaataaggaa ggcctccaca atgccaaga 240  
aatccaacta atggtatata ttgtagggta cagaat 276

<210> 468

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1822751F6

<220>

<221> unsure

<222> 381, 386

<223> a, t, c, g, or other

<400> 468

cttcggcagg gtcagccttg cgggtgcttg tggagtgggt ggctatggca gccggagcct 60  
ctacaacctg gggggctcca agaggatata catcagcact agtgggtggca gcttcaggaa 120  
ccggttttgt gctggtgctg gaggcggcta tggctttgga ggtgggtgccg gtagtggatt 180  
tggtttcggc ggtggagctg gtggtggctt tgggctcggg gccggactgg ctttgagggt 240  
ggcttcgggt gccctggctt tctgtctgc cctcctggag gtatccaaga ggtcactgtc 300  
aaccagagtc tctgactcc cctcaacctg caaatcgacc ccagcatcca gagggtgagg 360  
accgaggagc gcgaacagat naagancctc aacaataagt ttgcctcctt catcgacaaa 420  
gtgc 424

<210> 469

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1823789T6

PA-0020 US

<220>  
<221> unsure  
<222> 472  
<223> a, t, c, g, or other

<400> 469  
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attctaccag ttgttttatc actggacaag aaatgtatta ggtttgatat ttacaaagat 120  
gtttatgttg tctgctatct totattatag gttttattcaa agagaatatc acctatagca 180  
taaataatta aatTTTTTcaa taaaaacaaa ctaaaaaaac cctagaaaca ttgacatca 240  
ccaaattcaa cagctctcac tagaaatcca agcaataaac ttagatattt gaaataaaca 300  
taaattatga ttatataact ctaagtcaca tacataattt tgaattatag taatagcact 360  
gtaaacatga atacaaagga ttacagtttt atacagaatt ttttttgttt ttcttctttt 420  
agggttatt tctccttgga aagaacagaa tgatctttta aaaaataaga gntatatagt 480  
aatccagaa aaaaattcca atagctgt 508

<210> 470  
<211> 448  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3214119F6

<220>  
<221> unsure  
<222> 181, 259, 374, 392, 417  
<223> a, t, c, g, or other

<400> 470  
gtgaggtccc aggccccaca cccatggaac tggaggccga gcagctgctt gagccacacg 60  
tgcaagcgcc cagcctggag ccctcggtgt cccacagga tgaaacagag ccacaggcag 120  
ccttaagcct ggtccccata cacagcgctg aagtggcagt tccagcggt gtccctgcgg 180  
nagaggctga ggccgaggtg acgctgcggg agctccagga agccctggag gaggaggtgc 240  
tcacccggca gagcctganc cgggagatgg aggccatccg cacggacaac cagaacttcg 300  
ccagtcaact acgcgaggca gaggctcgga accgggacct agaggcacac gtccggcagt 360  
tgaggagcg gatngagttg ctgcaggcag anggagccac aggtccctag gcctggncta 420  
tcggaggcgc tttccctgct cctgttcg 448

<210> 471  
<211> 422  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3230628T6

<220>  
<221> unsure  
<222> 42, 47, 58, 130, 288, 307, 317, 361, 405  
<223> a, t, c, g, or other

<400> 471  
cattgaatgt ttacacatac aaatacatct taaagataag gntctcnaaa ggTTTTTnga 60

PA-0020 US

cattccatca cccctgtact tgggtggtcta tcacagttgt gtgtactctt gacttgacta 120  
ggtgtgagan gatcgtatgc catcttgtac tctttatcaa aagcatctat atcaatgttt 180  
tctcttccca gtgccacaag tgagagaaat agtattttctc tgtataaact cctctgtctt 240  
ttaaaatgtg gacacttatt cagtgtctct aaaatctgac tcattgggcc atagacatca 300  
ttcattntaa tgctttntac catacttttc aacagttcct ggtaaataa gttatcactt 360  
ntttgcaata aatggaccat tggataattc tgggtgagag cactncagag aatgcacaag 420  
gg 422

<210> 472

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2697170T6

<400> 472

tatataaaat agctattata aatgcacata gtgtattcta tagctgccag gtttactttt 60  
ttttttttta aaggaaactg taagttacac tgtggttaag acttgtatct tcacccttga 120  
aaaagcccac attctatcac agtgatgtat ggtcagactt aacagcccca attgttaaac 180  
acttgatca agtcataacc agttttattg caaaaggacc ctgtacacat ttatcaactc 240  
tagtacctta atagcta 257

<210> 473

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2605603T6

<400> 473

acatctaaat ggaaatcaca atacaaggaa agattitaaac caaagcctca gattttcata 60  
caaacgacac gaccaaactt ctaaagtatt ggtattacat cttaaaattg tcccgtatcc 120  
ttaaaaaaaa aaaaagtgtg cactcacgtg ccttacagga tattaaacca aaaagctaga 180  
attaacaaac atgccaaatg ttttcacttt gaatcgtaga cacagctcct atatttgagt 240  
tttacagaaa aggcattg 257

<210> 474

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2618045T6

<220>

<221> unsure

<222> 484, 496

<223> a, t, c, g, or other

<400> 474

atgtacattt ctttccacag cagcacttca ttcattctta aaaaatttaa caaaattaag 60

PA-0020 US

gctaaatcag agcgagctga taggaagggg tattctatgt ggtgggtcttc ttaaagaatg 120  
ttctcataaa tataggatgt tctgcagaca agaaataaaa ataaaacatg ctgaacaaga 180  
taccaaaaaat gggaaatgca gtagaaaatg agcccctttc taccaatcta ctaagaatcc 240  
caactcccct gggaaagtttc agatgggatg tgagttcttt taatgaatgt ttatgatctg 300  
atgctaagac tttctaaaaat taaaattcca cagtactagg ccattttata aactaaaacc 360  
aagggcagtt gagtctccaa tataatccct ctagaatttt ttaagttaaa gtggacaata 420  
tttgaaaagta ctaattttat ctgaagctgt ggtgcttgaa aggacaatcc ctccatttgt 480  
ggcncttctc cctaanccca tggtatttaa ataaatga 518

<210> 475

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2633001F6

<400> 475

cctcggtgcc ccaagccgct gggagatgtc ccatgctggg ggtccgcacg tggctggagg 60  
agggtggtctt ccatccgctc tgaaatcatg tttcttagag aaatgcctcg gatgccgccg 120  
acgcggtgct gctgccgccg ctttcgggtt tggccctca gaaccctcc tttctgagc 180  
gcttccctct taggcctcag ggcagtttga tctgtgggga gaaagagcag ccatcgctga 240  
gcctgccttt taaaatata gtgtatttcc ttagcccccac tctaagaaat ctatgttcct 300  
gagtttgccc tctgccctcc cactccttcc ccttctcccc tctaaacctt ctcccatctc 360  
tttcaaaatc ttttcccaga aaggcaggct tcaaccagcc acttcagct ttgtgtcttc 420  
tctcaattac atagcaattt ctcccttccc ccatcatggg gaagctggct ctgcttttgc 480  
cctttgtcat caccaacaca acagatagaa attaaatata agtataatgg gtgtgcgtgt 540  
gtatgtatgt ggtatgtata tgcattcatg tgtata 576

<210> 476

<211> 568

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2506614T6

<400> 476

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aagatgcaaa gagctaaaag tggatatcatg attccacagc agtgattgta agacagtga 120  
ccacagggaa atgggaaaac gtgaaaagaa acaagtatca ggaccaaatt agagaagata 180  
tgagtagggc catcactaga ggtgaaaatg gagaaaccta agaaaaccag tgttggcatg 240  
aattatgcaa gtggaaaata catctgtaga gggacgagat agaaggacct agatctaact 300  
ccaagtgctt gattggagaa gagagggaga aagagaattt atagaattaa ctgtatagaa 360  
gcctaaaaaa taagattatc agcctagtca tgtaaagtct agaagttcct ttatttgctc 420  
atcacctttc ctttttctat aagactatta agcagaaggc cagtaacaga aaatttacc 480  
tttctctcc tctcttggtt taaattttat aaggaatctg aagaggctat ggatcagttg 540  
gcttacagtg ggaagagctt attgaagc 568

<210> 477

<211> 504

<212> DNA

<213> Homo sapiens

PA-0020 US

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2972510T6

<220>  
<221> unsure  
<222> 432, 469  
<223> a, t, c, g, or other

<400> 477  
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tacttttaaa aaatggtaag aagtaaaaga tgcttttaaaa gctatccatc tcagttctta 120  
aatggcatct aaaccttaga agtcaaagt tacagcaa atttgtaaaa gcaactgtaa 180  
ataaaaaccga acgcaaccac agcataatat aaccatgtag ccatagatat atgataaata 240  
taaacaacag cttaatatga ggaccattag tcacagtggc aaaagttctt agatattgaa 300  
aagaagatgt gttagggtcaa ctgctaagat ggtccacagt gatccctgcc tcctgatatt 360  
cacaatctat catcaagata gcaggccatc ccaggacagc agtcaaggga aaatagttga 420  
tgaccaactg gngcatcaga gctcaccatc ttggtcttca gctgttttnc ctggactgag 480  
gtgggtcactc ccatggagct ggtg 504

<210> 478  
<211> 430  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2205246T6

<220>  
<221> unsure  
<222> 138, 152, 158, 175, 185, 213, 223, 243, 258, 266, 288, 299, 306, 308,  
316, 320-321, 328, 335-336, 343, 346, 371, 381, 392, 407, 420  
<223> a, t, c, g, or other

<400> 478  
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tttaaattct gcactcaa atacataact tacataaata tgatcttctc agagttataa 120  
acaaagttaa gaaatatngt aaaatctcta gnattatnag aggtaattha gaggnaaagt 180  
ggccngcctg ttcagtaact gatatttcag canaaggta tanccttctc tattgattca 240  
tanagtgggg ttagcccntg gatagnatt tgtactaaca tacactgntt acattcatnc 300  
tacagnanca tatgtnagan nccagagnat aatcnnaatc ttncancctc tgcatacact 360  
cctatttgga nacttagcat nccactgcat tnactcttga tgaagtngtt ttcccaacgn 420  
gattttaaag 430

<210> 479  
<211> 230  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1902366T6

<220>  
<221> unsure

PA-0020 US

<222> 52, 113, 130, 195, 216, 223

<223> a, t, c, g, or other

<400> 479

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aactctatag gtctagcctt tggaccaaaa agagaccctg gagcagtgag antctcacca 60
aggtcattcc caaatccaac agccgcagga ggcaggaggc agggaggaga cancacagcc 120
cccaccacan tttctgcaca caatgaggcc tgctgggaga agagaacatg aatgggaagc 180
tacagaagta ttganggaca gaagaacagg aaaatnggca ggngaggaaa 230
```

<210> 480

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1686561T6

<220>

<221> unsure

<222> 383, 400, 450, 486

<223> a, t, c, g, or other

<400> 480

```
gtttggtctg aggatacaca agcatctggc taactcataa aagtagcctg aagtgattga 60
taggagagtg tttgtagtca tttccatttg ctgccacatc ccttacatta tctacttgct 120
aagcactgag aggcccagaa tggacacatc aaactgtcag gaggaacata tgggacactg 180
gcacctgcaa tgggtttttt aaaagcagag aatgcagagc agtcacagac tccacttcaa 240
agccagggtg tgtggaggtc tccggggaag agctctgcac aacaggtttc ctgggggcca 300
gagggcctct cggggaggaa cagaaaaaaaa ccagccagga gtgctaccga ccagcctcag 360
ccagaatgct gtcagaacaa ggncccaaac atggcctggn ctcaagtatc tggggatgaa 420
cgggtgtcac aggggaaccac ctgaaaggtn ggcagaggcc cccgtggagg agccacatac 480
tcttcttctc tcagcagccg cagcaggatg ttttttttat cttggggccag ctgtagacat 540
gagtgttc 548
```

<210> 481

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1846209T6

<400> 481

```
cttaagagta tacttggaac cctcggagtc ctccatggac aagaacaggg tggcccatgg 60
acttccagcc aaaggtcca ctgtggggct gctttgggga gagactcaca gctggacttc 120
tctatccgac catgcaatgt tagccagcac caattaccca caatgctttg cccataagag 180
atagaaataa tggaactcac aggaagaaac agtattgata acatacacag gcttacagag 240
gccaggccca gtaattacca tgagacagaa gcctacaggt ggcggtgctt tgactgggct 300
gggattattg atacattact gatacatcac ttcttttata agcatatgta aaacgagtgc 360
tactgaaagt cgaaggacag cttccggggg agtcatgaac tctttcacta tctcatccgt 420
gacctccttg cgccgggcct ggtgctctgc gatcaagggc tgcagaacct ctatgagtgc 480
ctttcttgag ctcacccggt gaagc 505
```

<210> 482

PA-0020 US

<211> 533  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2472702T6

<400> 482  
gagggcagag tgctccagag gagaccaga tacatcaacc aaggacttcc ctgagatttg 60  
gctttgctct tccaggcctg cacatgctgc gtgatgaaat gaggcctgcc tagacatctg 120  
tgagggcctc gagggctgct gcctcgactt tctccctagc taagtccacc cgtccaggga 180  
cacagccagg gcactgctct gtgctgactt ccactgcagc caagggtcaa aatgaagcat 240  
ctgcggaggc caggactcct tggcatcgga cacagtcagg ggaaaagcca ccctgactct 300  
gcaggacaga gggctctaggg tcatttggca ggagaacact ggtgtgccaa gggaagcgag 360  
catgatttct ggagtggact acatgcatgg tctggagtgc agtaaactgg aaagtttcac 420  
ccccaagtct taatttaatc aaaattgctg aactctgttc aatcttcatt gttaaaagca 480  
gctttaaagc tgggtgattt cttagtcaaa tgtataacga agcttttact tat 533

<210> 483  
<211> 361  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2746232T6

<220>  
<221> unsure  
<222> 275  
<223> a, t, c, g, or other

<400> 483  
ctaggacttt tgacacataa gacaaagtct acatatacta ggtaaacaca agagcattat 60  
taaattgggtc aaaaatgtca aaaaaaatcc catattctct tctggggaaa ctcagaaaga 120  
tttcaagtat gagtgttaag aattagaaaa gactatcata agctttaaca ttctaaataa 180  
taagtaattg aattatttca gtttagttac acagcatctt ttaaagtcca tctttgcaaa 240  
ttatacgttg ctataaatac attgtgtatt tggcnttatg tgaatttggt taatccagtg 300  
tcaattgtct aatgggtctaa agtgtcccat tgaagttata atctggatga actgaacaat 360  
a 361

<210> 484  
<211> 582  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 452968T6

<220>  
<221> unsure  
<222> 417, 484  
<223> a, t, c, g, or other

PA-0020 US

<400> 484

```
ttgcaagcat taaaccaagc ataggctttg attctgtgag cccaaattca catattgaag 60
aagatcaaag caaactgtga tccatgtaca tggatgaaaa ctaaaggctc gagttaatca 120
cattgtagtt tttaaatttc tacagcctag agctcactag tcacaggctc tttaggctcct 180
tctggatgtc ccacagggtg tctgcacttt tcttgagctg agcaacctca tcatccttta 240
gcttctgggt gataacgctg gttaatcccc gggcattgag gatacatgga aggctcagga 300
agacttcatt ctcaatgcc aacatcccc tttaccattg ttgacacggg atgaatcctg 360
gatagatttt tcaacatgga ttcaataaga tcagccacac ttaatccaat agcccanttg 420
gtatatcctt ttagcttgat gacttcatag gcactttcaa ccaccatctt atgcacttcc 480
ttcnaatttt cactatcatt gtcagttccc atttctggat tcaattcctg gagagaaaca 540
cctgccacat tcacaccact ccacacagcc acacttgagt gc 582
```

<210> 485

<211> 470

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1491088T6

<220>

<221> unsure

<222> 9

<223> a, t, c, g, or other

<400> 485

```
gcacaacang ggaactttgt ggggtgtctg tggcttgcta cagtgcacac tggcaggact 60
aactgggtca tcagagccac agaataagga ctgggaaggt ggccacaact gcaaggactg 120
gggcatgtg gggggaggac tctgagactg accacttggc tggtaacttg gctgtccagt 180
gtatgggaat ctcaagttag tctggcctg aagtcagact ctgtctctga cgcagacgtg 240
agaggtcgga gtggcaggaa ctgtcagctg gctcatccgg gaacttgtcc tccaaggggc 300
tttgccattt gttttcttcc tgtacttgcc ggccccatca taatctccac caatccccgat 360
gaacttggat ccaatgacag ccttgatgtg gtcgaagtga tctgccacag tggacacatt 420
ggctgatggg ttgcactgta ttactcccat gatgtctgat acagacaatt 470
```

<210> 486

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1294238H1

<400> 486

```
ctcggctttg tttcctttca ggggtggcttt gcaaaatggt acgagatgac agatttgaca 60
aataacaaag tctacgccgc aaaaattatc cctcacagca gagtagctaa acctcatcaa 120
agggaaaaga ttgacaaaga aatagagctt cacagaattc ttcatacataa gcatgtagtg 180
cagttttacc actacttcga ggacaaagaa aacattttaca ttctcttgga atactgcagt 240
ag 242
```

<210> 487

<211> 431

<212> DNA

<213> Homo sapiens

PA-0020 US

<220>

<221> misc\_feature

<223> Incyte ID No: 884512T6

<400> 487

```
caacatctaa atttgcata atttgatata tgggtgctca ttttgcagaa cataacagtt 60
gcacattgca agagtcaact tgcttcgggt cttttcatgc tcatggcggt ccaccctgc 120
cttcctcttc cctgacctgc atcctgtcct ccacagtctg ccctgcctcc tgctgccaca 180
gggtgaagac ccaagccctg aggagaacct gctgccaggg ggctggctgg ctgcgagcca 240
ggagggccag gcagttagcc ctgccacagg gaggggcagg caagggatcg tttctcctct 300
tcttgggctg agcccatgcc aggccagcca cagagtgcc tagtcagccc atgtggctcc 360
aggaagcctg ctgttgttct tctccatccc atttcacccg cagctagtgg ctaaactctg 420
gatactctga g 431
```

<210> 488

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 933140T6

<220>

<221> unsure

<222> 303, 318, 344, 403

<223> a, t, c, g, or other

<400> 488

```
ttactaaaag ctcaattgta accactccta acaccactag cagaacctca agggagccaa 60
gagctcttcc cttttccctt gttaatttcc agtataatgt agcagcacia ttatttcattg 120
tcacatttaa gaagaacaag aaccaattta tataaagtac aattgtatat ctttaaactat 180
tcacataaaa cacactgtca aaactcactg gatattgtgg aattggagga cttaaatttc 240
tacatattat ttattgcacc cagagtactg gttaaaatgc actttctgtg aagatcaaata 300
gnataaacgt atgagggnat ttttaacact gtgaagtaca cacntaatat tataaaatgc 360
catttaattg gaaggagttt ctatcattgc aagtcataaa tgnaactttt taaagatact 420
agcagctttt acct 434
```

<210> 489

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1557811T6

<220>

<221> unsure

<222> 436, 442

<223> a, t, c, g, or other

<400> 489

```
gacccataaa tgcatttatg catttaaaag cacagagaca caagtcctca tatatgaagt 60
tggtatgggt acagaaagaa aataaatatt tgtgcacaca gagatagcat gaaatcattc 120
tacagtgaata ataatagcct ctggaaaaag ctttgaaaat cagagatggt gccatcacca 180
```

PA-0020 US

gacaacacaa gtgctgggggt acaggggcagc cctccatgca tctcatagca tttgcatggt 240  
ttgtgagccc catttaatga cataaaatga gggcactgag ggaggaaaag tgaacagaca 300  
cacaaccoga gagcacattg ttatttgttt attttgtaca agtgatgtca taagcaagga 360  
ttttgcctgt gttctagatt atotccaata aataaataac tatgtacaaa tattttgagt 420  
ttacaaaata gaaganggaa anctttgtct taccaaagtt acatttctat gatacattta 480  
tttccataca c 491

<210> 490

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1747645T6

<220>

<221> unsure

<222> 451, 472

<223> a, t, c, g, or other

<400> 490

cttcaaataa gctgacacta tctggaaaac tcattctgtcc ctaaagccca caatgcgtcc 60  
actgcttcgt cctcccatgg aacctgagcc tgacgtgaag gagtcagacg tgtgacagag 120  
gaagagtctg agaagagaag acacctttac agaattgtaca gcgagagagc cggcctggcc 180  
ccgggtttac agtaagatgc acgggtcctt tcagtctcac ggactccaga cggccacgca 240  
ggctgctcag atggacgtct ccttcctatc cctgctgggc gatggctttg ccggctcctt 300  
gcctgccttt ggctgctctt tagctgcttt tggtcgaagg acgccgtctc tgggcggctg 360  
gacggcacc cgcgcacct caggtcctcg tctcctgctg cctgctgctc ggccttggct 420  
cgggtgcatct ggagaagccg cagctgcacg ngcagtcgat gatggcctcg antcctcatg 480  
aattgttgat tcaaataa 498

<210> 491

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1862007F6

<220>

<221> unsure

<222> 294

<223> a, t, c, g, or other

<400> 491

gcttagcaga cttgcgctgc accagcgaat ctgcctgggc tgctcctgtc ccaccacccc 60  
tcactaagat ccatgtaagg ggctcctctt cccacctgga acttgtgagt ggggacccat 120  
gatgtatggg tctcacctga cttgaggtga attttggagt gaagggccct gaggtcagct 180  
cccaggtcgg tctgctggg ccaggcctgg ttttcacagg ggctgaagga tcccagtcca 240  
cctgtgtgca tgtcagggct cggccgggaa gaagccagca aagtccccg tgtnccttgc 300  
tgagtattct gtcacagaca agctccatta aagccacagc agtgctaacc aacaaca 357

<210> 492

<211> 403

PA-0020 US

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1968661R6

<220>

<221> unsure

<222> 128

<223> a, t, c, g, or other

<400> 492

```
atcaattaat tcaataattg accottgggt ctttgccatc cttaggcctc ctgttctgag 60
actaatgcgt tcagtcctct gttgtcggat ttcattaaga acacaagatg caacacaaac 120
ttcctgttct acacagtcag atgccagtaa acaggctgac ctttgaggtc agtagtttaa 180
aagttcttag ttatatagca tctggaagat cattttgaaa ttgttccctg gagaaatgaa 240
aacagtgtgt aaacaaaatg aagctgccct aataaaaagg agtatacaaa catttaagct 300
gtggtcaagg ctacagatgt gctgacaagg cacttcatgt aaagtgtcag aaggagctac 360
aaaacctacc ctcaatgagc atggtacttg ggcctttgga gga 403
```

<210> 493

<211> 660

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2207534T6

<400> 493

```
gaattccaac tgattaccat ttacagtgat cacaatgaaa ctgctcagag ttatcactga 60
acttcagtaa gaaaatacaa cagagtgcc aacagagagg ggagagggca ggagactgct 120
ccatcgctct gctcatgtcc aactgccaa ggccccacc acgggggtcc ccagtgcacc 180
ccagctccgg ggcagaagag gcagcctgca gatctctgct gccgggaaag agctcctgaa 240
gttgtggggg ctggactctg ctggggacgg ggccctccgc gagtctccca cctctcgggg 300
gactgcaggg agaggcgtct ccagtgggca gccttgggtc acttccatag ctccccagc 360
ggcttctctg tggcagtgcg gatggcgctc tcagagagca cgcggatgtc ctcatggaca 420
gcttcgatgc ttttggaagc atccaccatc ttccagttca aagtcgtgtc tttcatgagc 480
tgggtgaaac acggagcgcc cgctcctgga aagccccgtt ctcatagcgc tcatggccaa 540
acgctccccg cttggcagca tccgccagct gtaactggag gaacaggacc aggtcgggtt 600
tgggaaaggc ccacgtctgg ctgtttacac caatctaggg aaaaattctg ccaagaaaga 660
```

<210> 494

<211> 249

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2326622T6

<400> 494

```
taatgtttat tttaaatcta attgaaatth atctgaaaca acttatttca agtaacttat 60
tgtacagtcc attgtccatt taaaaatatt ttcttccaaa aaactgcatt gaaagacaaa 120
aaaattcttt tatacggcat atacgcgaga tgcaaaactt tgatgtaaat ttgtttcact 180
```

PA-0020 US

gtcaactccg atgataaaga tgagaggcac aagggttcac agttcagtta aatgatgcaa 240  
acaaaaagc 249

<210> 495  
<211> 494  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2452694T6

<220>  
<221> unsure  
<222> 37, 123, 139  
<223> a, t, c, g, or other

<400> 495  
tgggttgagg gtggaggtgg gggacacagg tgcgcantgc acagagtcag cagcagcagc 60  
ctgctccccg cactgaggac tcggcctgga ctgcagtgcc tccaaatcaa cacgcagcaa 120  
gangggagtg cagggaggnc cctgaacacc aagcctctga aaggctaagg gacacagctc 180  
cagctgtccc aggaaaacca gcaataataa aagtgaggca cggccccacc cacacatata 240  
atctagtcac ccattcttcac tctggaggtc tgaagaattg cgacgatgac cccaaagagg 300  
ccaatggcgc tgccaaagat ctccacgatg agaattctta caaagaggct ggggttctga 360  
gcatcggcca gggcagcccc actgcccacg atgcccacgc agactccaca gaagaggtta 420  
gacaggccta cggtgaggcc agccccaac atggagtagc ctgcatggta gttccgatgg 480  
ccgatggctt gggg 494

<210> 496  
<211> 199  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3441613F6

<400> 496  
ctcacttcac ttagccgaca ttccatgccc tgaccaatcc tactgctttt cctaaaaaca 60  
gaataatttg gtgtgcattc ttccagactt ttctctatac attttatatg tagaaatgta 120  
gcaatgtatt tgtatagatg tgatcattcc tatattgtta ttgatttttt tcacttaata 180  
aaaattcacc ttatttcctt 199

<210> 497  
<211> 500  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3518439T6

<220>  
<221> unsure  
<222> 297, 348, 350, 352  
<223> a, t, c, g, or other

PA-0020 US

<400> 497

```
atcaatacag tactctttta taatgaaacc atacttttgt tggagtcag ttacttttagt 60
gataattttc actccaaaaa tatttaagta ccaaatacaa acactgggtt ttaatgggtg 120
tttatagcat agtaaggat tttacacaaa atatatttta aaactacaca atttctcctt 180
ttaagtgagc tcccttgctg aagctgctga agtgtagcag agcagggcaa tgggcgtcta 240
taggaggtgg ctctgctctg ttctgggggt ggtccaaagt caggtggagt tccattntat 300
gaaaagcttg aaaaatctac cttaaggaga ctgaatatca ataccagnan cntctagagt 360
tcttggtgaa ttttcacaga aatactggaa cctcaaaaat cagatagtaa tttcaaacia 420
cattaatttc agatgatccc ttttatttag aggcctgca tctgttttga tcaagtcaca 480
tagccttaca ccaacttata
```

<210> 498

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3876090T6

<220>

<221> unsure

<222> 18, 423, 433

<223> a, t, c, g, or other

<400> 498

```
attcaataaa cacaagtntt atgagtacct tgaagctcca gaatgtgctg gggaaagggg 60
ttgtgatggc caggaggagg atacccttca aaacgggctg ttccctaacc acatagaaat 120
gggaaagggg aaaaattggc agagaaagtc tagactctct ggcctaccat ggagcctagg 180
cccaggcccc caagatccca ccttcccaa ccccatggg actggagatt tttgtagctt 240
ccattggacc atgaggggca tgatgggagg cctgagttag ggtgaccttt tttgtgagcg 300
tctcatttga attttatctt cactgggtca tagatgtagc agcccacatc gccaatgttc 360
acacctttgg ggccaaacag gtagccgtag caggggacgt ggcagtaggg gactccatca 420
tgntcagcat gantcccagc agtcagggtc t
```

<210> 499

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 452336T7

<400> 499

```
atgtcaaaaa cgtatagcat ttccattgct tagcttccat ctttaaactt aaagctagtt 60
aaaaacaaca ggaacaaaag taaactcatt tgattctctc aaaaaacaag ctgtaactta 120
cctttgcaaa taattaagtt ctctcacttt aaatatcgta attcactggg cttcataata 180
aataattata ataatatata aaaggagaca gtggcctgaa ttattttgca gagaacattt 240
cacacatctt ttaaaaaaat cactaaacta ccacaactta aaacttgtaa gaataattag 300
gtaagagtta ttgtaatat gaattaatat agcacctaga aatttgaaat ttgtaatat 360
tcagatgata tgatttactg agaaaaagag taatgatttt cttcagtga ttttcagggg 420
ttttcaacat aggtctcttt taaaaggggt taaaaaattt atgcatacta g
```

<210> 500

<211> 347

PA-0020 US

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 961630T6

<400> 500

```
agagttttaag atccccatttt ttaaaaaagta caatacagtt gatttttttaa aatgaggttc 60
tacaaacact tttggacagt ctaacatata tataagctgt ccctttcaac taggatatgg 120
ggaaaagaag tcaacccagt gtttccactt tccatgaagg acttctcaag ggcaaggtaa 180
taagcaggaa taaagcttcc aaaaacctgg aaggactctt tcaggtggac taataagcat 240
catcatcacc tgccttaaac tacagtaaag ccaagattgt taataatata gttccttgct 300
tttagctagt atagaaaata aaattgaatc acattgttga tggtaat 347
```

<210> 501

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 041795H1

<400> 501

```
aagattttgc attagccaga tgctaggttg ttgaaggcat ttcagtgttg ataatagcct 60
gagcagactt ctttacaaat gggatctgtt tctatatgtg tatatgcca cttaccattc 120
agagagactg gtctttctct ttgtcttctt tcacattgct gtgtcagttc tacacctagt 180
cttttcagca cttagcaaat tcaaatttt 209
```

<210> 502

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1406908T6

<220>

<221> unsure

<222> 486

<223> a, t, c, g, or other

<400> 502

```
tctgcccagt tacaacaacg aaatgggaaa ccacaattaa aattcacaaa ccatggcatg 60
aaaaacaaca cgcaccccat caggaattac accaaacccc ttttcctttt tattcattca 120
aaagagagtc caatacacaa gtgtcaaata tgagcactgt catttttttt ttcttagaag 180
ggggaaaaac atttattttg gcagtgtctt gacaattcca ggaagtgggt ttgatactac 240
aagttgcagg aatagaaacc ctaacaaact tggagggcat ttgtttgaga ggcaagggac 300
gccttgctta gaaaacattc ctcttgtgct tagtgaatca cctatcgctt cggtgggctg 360
ctgtgtcttt ccaggtgctg aaagagaaaa cgggaatttct tgcatagaca gctgaagagt 420
cctgtagagc agagtgattt ttgtatctcc aaccctcttc cccaacttga aacaaattct 480
caagcntctc tggagcatct tttggtcaca tga 513
```

<210> 503

PA-0020 US

<211> 430  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1430933F6

<220>  
<221> unsure  
<222> 245, 389  
<223> a, t, c, g, or other

<400> 503  
gcctgccaga cttcaacgcc ggcgccatgg agaactgggg actggtgacc taccgggaga 60  
actocctgct gttcgacccc ctgtcctcct ccagcagcaa caaggagcgg gtgggtcactg 120  
tgattgctca tgagctggcc caccagtggg tcgggaacct ggtgaccata gagtgggtgga 180  
atgacctgtg gctgaacgag ggcttcgcct cctacgtgga gtacctgggt gctgactatg 240  
cgganccacc tggaaacttga aagacctcat ggtgctgaat gatgtgtacc gcgtgatggc 300  
agtggatgca ctggcctcct cccaaccgct gtccacaacc gcctcggaga tcaacacgcc 360  
ggccccagat cagtgaagctg tttgacgcna tctcctaaca gcaaaggcgc ctcaagtctca 420  
ggatgtctcc 430

<210> 504  
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<212> DNA  
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<220>  
<221> misc\_feature  
<223> Incyte ID No: 1468353F6

<220>  
<221> unsure  
<222> 63, 124, 148, 164  
<223> a, t, c, g, or other

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gancttgcat gaggaggagc atgtcctgct catggccatc tgcacgtctt cccccagatc 120  
gtontggggt gcaggacgcc gcgctgantg aagccatcca ggancgcctg tccaacacat 180  
gcagacgtac aatcc 195

<210> 505  
<211> 235  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1500367F6

<220>  
<221> unsure  
<222> 52, 75, 97, 102, 119, 138, 141, 223  
<223> a, t, c, g, or other

PA-0020 US

<400> 505

ctaattttga agtaggggtgc atggagaggg agaagtgggtg acagaacttg gnaactagct 60  
ggctggggga acgangggaa ggaaggagac tgctgtntcc angctgaggt caggggtggng 120  
ttggcaagag cgcaaaantc naggggaagcc aggctggagc tgctgtgtat agactgccaa 180  
atgtgaagta tttatatattg attcactaaa ctatacttaa gantgttcaa acaaa 235

<210> 506

<211> 203

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1561504H1

<400> 506

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gcttcctgt taaagctcta cctccgagac ctcccagagc ccgtgggtcc ctggagccaa 120  
tacgaagggt tcctgctctg tgggcagctc acgaatgcgg atgaggcaaa ggctcagcag 180  
gagttgatga agcagctctc cat 203

<210> 507

<211> 132

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1709659T6

<400> 507

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gtaacatttg agaaaagaaa aaaaaaatca ggaggtcagg gaaagaatgt aaaggcattt 120  
gtgagctctg ag 132

<210> 508

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1817550T6

<220>

<221> unsure

<222> 140, 153, 247, 419

<223> a, t, c, g, or other

<400> 508

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cccaccaccc gttaggaatg tccattcctg ggctgcgtgc gcagggtccag cagccagtct 120  
gtgcaggctc ctggtccggn cagggagatt gangcagacc cccacaagcc ctgaacccca 180  
gtctcaagtt ttctgcacga cctgtacttc agtcaccaga cactcctcca ggccggcttt 240  
gcccgcntcc cagaccacca gcttgtcgtt ttggaagctg tcaccgatgg ggtctttcat 300  
gtgaggggatg cggggaaaga gtctctgcat caccagatac cttctgcaga tcacgaagac 360

PA-0020 US

acagaccagg gccagcagcg tccccagcgc gatcagcagc gacgtccgcc aggcacgtnt 420  
gtttg 425

<210> 509

<211> 495

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1852712T6

<400> 509

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gcttacacct gcaggctcct taccctagaa acactctata tcttcttagg tacttccctt 180  
gaaacaggat gatttctaga ggaaataaaa ctgctgcact taaaaaccta gaaatattca 240  
gggaccaaga ttagttgttc agtgacctag gaaaccttag aatcctgtag gttcctcagg 300  
agagggtgctt ccaagtactt gagaatccac aggcagagat gcttcccttt ccatggtgga 360  
tgtgtatgtc actccaggac aaactgcgga gtcacggagt gtgggaacac atctggttgt 420  
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agtcccaaag tcaga 495

<210> 510

<211> 106

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1861724T6

<400> 510

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gatgtttcct gcaattatta accgatattt aaaaatactg gcctga 106

<210> 511

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2449112T6

<400> 511

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gagggtacag ggcggccccc agcaaggccg ttcattgtcc atcgagagct tctgctcatc 120  
tggccctgga gctgggcttc cctgagatca gccccagggc actgggcgac aggtgccatg 180  
ccaggcctag ggcgggggtt gcatgagggg caggggctgg gaggtgctca ggcagcctgg 240  
gtcatcagga actagactgg ctacacaggc gagagaacgt gggctggaga ctttgtcctt 300  
gaggggagga cactggtgcc tcgggctcca ggaatggagg ccctgcacca gccgctggga 360  
tggacacatg tgggcacctt gcatcggggc cgggtgactt caagggctgg ggactatttg 420  
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PA-0020 US

<210> 512  
<211> 502  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> Incyte ID No: 2769161T6

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ctgctcagtg gctgagccct gtggccagct gtgccctgtc tcttcccctg cccccagtca 180  
gggcatccaa cggggcagag gcagaaggga cgtgaaaagg ggggtcgggt tcagcaaagc 240  
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gctcagggcg cctgggctga cttcaggatg tgtccatgtg gttatcagag gaaagcgatg 360  
gggcctgccc tgcccacgtg gagaggagg gagaggggaa acacgggtca gaaggagaat 420  
cactggccag cgaccataca ggtgggattt gggaccctga ctccgccgcc agggccgggt 480  
ccacacccca ctctggctg gg 502

<210> 513  
<211> 320  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2855766T6

<400> 513  
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aaaatggact tatctctatt atacagagtt ataataaaa aatgatttaa aggctatatt 120  
tttcagcatg taggtagcta cactgtaatc ctgttgaaga aactttccta ttttaagctta 180  
taggatgaaa atatataatt aaagtcttct gatcatagct tgagaccatc aagggaatgt 240  
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gatggcttgc aaagggagat 320

<210> 514  
<211> 107  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3034487T6

<220>  
<221> unsure  
<222> 36  
<223> a, t, c, g, or other

<400> 514  
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ccagacacta cttttaaaaa cccggtagtc acacataaac agcatga 107

<210> 515

PA-0020 US

<211> 304  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3334413F7

<400> 515  
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ccatggcgcg gtccaccccc agccaggaac tgctccgggc caccagctc catcagtatg 180  
tggagggcct tctgttgcag gggctcttgc cagctcatgt cattcggttg ctgcttaagc 240  
ctcatgtcca ggcccagcag gacttgacag tgttgctgga gctgctggag aagatgggat 300  
ctgt 304

<210> 516  
<211> 452  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1266985T7

<220>  
<221> unsure  
<222> 442  
<223> a, t, c, g, or other

<400> 516  
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taaatacgtg aaggtgcaca ttacatcagc acagattcac aaaacacctc gccttgccaa 120  
gaaaactgta gctaggcagc tcccgtcctc agggactcct gccacagacg tcatggagac 180  
agcatgagcc tcccagaaac agtcccacag gcctagactc cccagagcag gaggagcagc 240  
ccaggctctg ttgcgagaca gccatcactt cctgttcttt gcaggtgcct aaggtagggt 300  
acctggccaa ggttttggtg gaaaaaatga gttttttcaa tgttgaggt cttttaatag 360  
ttcatctgta ggaagtgcag ttgcaaagtc accaacctgc agcttccatc tgtagaccag 420  
gaagggtgat tctctgggtg ancacagcgg gg 452